

19970819.qrp v00_n823.qrs.970819

>From ???@??? Tue Aug 19 23:24:42 1997
Date: Tue, 19 Aug 1997 19:03:46 EDT
Subject: QRP-L digest 823
Message-Id: <97Aug19.190746edt.35132-68892+141@fidoii.cc.Lehigh.EDU>

QRP-L Digest 823

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- 2) [25096] BUBBA Sprint Q&A
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- 4) [25098] HB RX@N2CQR - Taming preamp?
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by w8lrn@juno.com (Albert K. Rea)
- 12) [25106] New QRP Web Site
by "Chris Gearhart" <cgearhart@hotmail.com>
- 13) [25107] Silver plating
by Stephen Gibson <SWGibson@worldnet.att.net>
- 14) [25108] Silver Plating
by George Gingell <k3tks@u1.abs.net>
- 15) [25109] Re: Kids & Kits QRP-L digest 822
by "Robert D. Haslach" <rhaslach@CapAccess.org>
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by Joe Gervais <vole@primenet.com>
- 17) [25111] QRP Solar
by "Ron Polityka" <wb3aal@talon.net>
- 18) [25112] QRP A Field
by "Ron Polityka" <wb3aal@talon.net>
- 19) [25113] Re: TUNED GROUND WIRE?

- by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 20) [25114] Re: QRP-L digest 822
by Jim Lowman <jmlowman@ix.netcom.com>
- 21) [25115] Re: Using Charge Controllers Question
by Ken Lopez <kjlopez@earthlink.net>
- 22) [25116] Phonograph Parts
by n4so@juno.com (charles k brown)
- 23) [25117] SST Information from QRP-L. de AL7FS
by JLarsen@alascom.att.com
- 24) [25118] silver in developer
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 25) [25119] Re: Study Guides for Younger Hams??
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
- 26) [25120] Re: Kids & Kits QRP-L digest 822
by "M. Monninger" <markem@primenet.com>
- 27) [25121] FS: QRP++ travel station
by "N4ELM" <n4elm@ipass.net>
- 28) [25122] CLARIFYING TUNED GND WIRE
by ARDUJENSKI@aol.com
- 29) [25123] re: Atlas 210X another
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 30) [25124] Re: QRP Solar
by Ken Lopez <kjlopez@earthlink.net>
- 31) [25125] New General
by Bob Hightower <ki7mn@dancris.com>
- 32) [25126] A BUBBA ID style
by Randy Foltz <rfoltz@wsu.wsu.edu>
- 33) [25127] Re: Study Guides for Younger Hams??
by ruswhite@netzone.com (Russell W. White)
- 34) [25128] Voltages on 38s
by Greg Newberry <newberry@cyberhighway.net>
- 35) [25129] going out of ham sale
by jdenison@morelr.com (JOEL DENISON)
- 36) [25130] 40 m loop ideas??
by ROBERT PENNEYS <radio@UDel.Edu>
- 37) [25131] Silver Plating Using Fixer or "hypo"
by Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
- 38) [25132] Re: Earlier Silver Plating Question
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 39) [25133] Sonar 1
by Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
- 40) [25134] Re: Earlier Silver Plating Question
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 41) [25135] Radial Lengths for Verticals
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 42) [25136] Tuning L networks
by Zack Lau <zlau@arrl.org>
- 43) [25137] Re: Using Charge Controllers Question

- by "Bob Kellogg" <ae4ic@nr.infi.net>
- 44) [25138] Thunderstorm warning system
by ea8yu Goran Hosinsky <rodriguez@jet.es>
- 45) [25139] Armed with a GM-17 & Tick keyer @ 0100 UTC
by wa5whn@juno.com
- 46) [25140] Sept QRP field contest?
by "Leonard J. Barish" <barish@kutztown.edu>
- 47) [25141] Re: Tuning L networks
by K5BDZ@aol.com
- 48) [25142] RE: SG for Young Hams?(Diatribes and long...sri)
by Guy Dragoo <gdrag@proedge.com>
- 49) [25143] Re: Nastalga
by cooper@gmpvt.com (Tom Cooper)
- 50) [25144] FS: Ten Tec Omni Station
by "William C. Robbins" <billrobb@net-link.net>
- 51) [25145] Fast O'scope for tiny Homebrewer budget
by David Shalita <af389@lafn.org>
- 52) [25146] Molex
by Ron Giuntini <rong@slip.net>
- 53) [25147] Re: QRP Solar
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 54) [25148] Re: Tuning L networks
by Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
- 55) [25149] Small inductor for a tuner?
by Chris Cartwright <ccart@dns.vidtel.com>
- 56) [25150] Re: Study Guides for Younger Hams??
by pthomson@bruderhof.com
- 57) [25151] Re: Radial Lengths for Verticals
by Vic Rosenthal <rakefet@rakefet.com>
- 58) [25152] NC on 50/40/30 Thurs. 8/21
by rerobins@unccvm.uncc.edu (Rick Robinson)
- 59) [25153] Re: CQC Summer QSO Party NEXT SUNDAY
by "Marshall Emm" <mgemm@mtechnologies.com>
- 60) [25154] Re: Small inductor for a tuner?
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 61) [25155] Re: R/S and more 38S stuff
by gsurrency@juno.com (Gary L L Surrency)
- 62) [25156] Re: Small inductor for a tuner?
by Chris Cartwright <ccart@dns.vidtel.com>
- 63) [25157] PNP equivalent to 2N2222A transistor needed
by David Shalita <af389@lafn.org>
- 64) [25158] Re: Silver Plating (Free Catalog)
by Chris Cartwright <ccart@dns.vidtel.com>
- 65) [25159] Re: PNP equivalent to 2N2222A transistor needed
by Bernie Doehner <bad@uhf.wireless.net>
- 66) [25160]
by lve1@inel.gov (Larry V East)
- 67) [25161] 38S PIN Diode mod pointer

by Bill Acito 19-Aug-1997 1316 <acito@asdg.UNET.dec.com>
68) [25162] Re: Silver Plating Using Fixer or "hypo"
by Ed Loranger <we6w@qsl.net>
69) [25163] Silicon Valley Surplus Electronics Sources
by Bill Jones <kd7s@psnw.com>
70) [25164] OHR Spirit I
by "Thomas J. Whalen" <whalen@swcp.com>
71) [25165] Re: A BUBBA ID style
by Ed Loranger <we6w@qsl.net>
72) [25166] Re: PNP equivalent to 2N2222A transistor needed
by Chris Trask <ctrask@primenet.com>
73) [25167] Re: Free DDS circuit board. (fwd)
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
74) [25168] Mystery of the Blinking Light!
by Ed Loranger <we6w@qsl.net>
75) [25169] RE: Homebrew mailing list
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
76) [25170] Re: Study Guides for Younger Hams??
by Steven Weber <kd1jv@moose.ncia.net>
77) [25171] Kids and ham radio
by Jeff Grudin <grudin@pacific.vdbs.com>
78) [25172] Re: Kids and ham radio
by Bernie Doehner <bad@uhf.wireless.net>
79) [25173] Smart Chargers
by n4so@juno.com (charles k brown)
80) [25174] /QRP/P in Alaska
by cjl@mail09.mitre.org (Charles J. Ludinsky)
81) [25175] Q-Mult for the 38 Special?
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
82) [25176] Re: Kids and ham radio
by Stephan Greene <sgreene@washsq.com>
83) [25177] RE: Mystery of the Blinking Light!
by pthomson@bruderhof.com
84) [25178] Re: TUNED GROUND WIRE?
by Jack Meadows <jackmead@getnet.com>
85) [25179] Re: Small inductor for a tuner?
by w4bws@juno.com (Donald E Sanders)
86) [25180] SST Information - AL7FS via G3YCC
by JLarsen@alascom.att.com
87) [25181] RE: Smart Chargers
by "Peloquin, William" <williep@PIERCEMFG.COM>
88) [25182] Web site additions
by "Frank, G3YCC." <g3ycc@gqrpclub.demon.co.uk>
89) [25183] RE: Smart Chargers
by "DANIEL DOBSON" <DANDOBSO@msn.com>
90) [25184] RE: Paddlette
by "Bob Follett" <bfollett@ditell.com>
91) [25185] 6 meter FM rigs

by "Kelly Ellison" <kelman@dialnet.net>

Date: Mon, 18 Aug 1997 19:15:31 EDT
From: wb2vuo@juno.com (William K Hibbert)
To: wgabriel@duke-energy.com, qrp-1@Lehigh.EDU
Subject: [25095] Re: Earlier Silver Plating Question
Message-ID: <19970818.191411.2063.2.wb2vuo@juno.com>

On Mon, 18 Aug 1997 15:52:20 -0400 "Watson R Gabriel Jr"
<wgabriel@duke-energy.com> writes:

>
>Just a few comments on silver plating:
>
>-----< snip
>-----
>
>And then there is the old trick I have heard about, but never done.
>Find
>someone really into photography and get used developer from them. Is
>supposed to contain silver from the photo developing process. There
>are
>ways to use this solution to do silver plating. You'll have to find
>someone other than me to provide details though.
>
>Hope this helps. Watson/WB4EXW
>

Rather than photography, try an X-ray lab, commercial preferred. They are usually listed under "Laboratories, Industrial", and ask if you can buy their spent FIXER...

In the developing process, the developer makes the exposed silver halides soluble, and the fixer removes it. The exposed areas have a layer that is not soluble, and it remains, leaving a dark area, and the un-exposed areas become totally soluble and are completely removed by the fixer.

Fixer contains assorted sodium compounds (sodium thiosulphate among others), and sulphuric acid. Wear gloves, and treat with caution. The clean copper can be put in the saturated fixer solution, and the outer layer of copper will be removed and silver deposited in its place. Completely depleted fixer can have 1/2 - 1 ounce of silver per gallon of solution, and a gallon will plate quite a bit of PCB material...

If you had a silver anode, you could apply a voltage thru the solution

and speed up the process, but I don't know what sort of voltage/current you would need...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, NQ2RP/B 10 Mtr QRP Beacon (QRP @ 28.287 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

"My Night Light runs more power than my Rig!!!"

Date: Mon, 18 Aug 1997 16:35:48 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: w5jh@swlink.net
Cc: qrp-l@Lehigh.EDU
Subject: [25096] BUBBA Sprint Q&A
Message-ID: <199708182335.QAA00623@usr03.primenet.com>

Howdy Jerry,

I'm cc:'ing QRP-L in case anyone had similar questions.

Jerry (W5JH) wrote:

>

> 1. Can ScQRPions participate in the sprint.

YES! All hams can be BUBBAs, DX and ScQRPions included. But we ScQRPions really aren't eligible for any of the Prize-O-Rama items. Besides, I've got a whole pantry full o' BBQ pork rinds. :)

> 2. Where can I download the official (as in OH-FISH-SHE-ALL) rules?

Try ScQRPion Bob's website at <www.dancris.com/~ki7mn> under "QRP Contests".

> 3. If I am on the back patio (which is covered) using my trusty used
> Auto Zone car battery (\$20) and TenTech Scout turned down to 5 watts, am
> I considered portable/outdoors? How about if I am plugged into my
> normal home QTH antennas but operating from the patio? Is that ok?

Yep. "Outdoors" means just that. Remember long ago when you'd ask your Mom if you could go outside, and she'd say "not 'til you clean your room!"? Whatever fits that definition of "outside". Backyard, patio, treehouse, beach, mountain peak, etc.

> 4. Can we work other non BUBBA Sprint stations?

As long as you can get the full exchange from them - see below.

> What can be done to get them to send me their temperature without asking.
> Is it really necessary to get the temp from the other station? (i.e. would
> a simple RST, State, name be OK?)

Unless you're working the Psychic Friends Network special event station, you'll have to ask for it. :) Yes, you really need to get the full exchange to have the QSO count. Otherwise contests like CW Sweepstakes would be *much* easier - just send 599 and forget the other stuff. :)

> 5. Do I have to figure out the heat/humidity or can you get that from
> Sky Harbor for all of us local ScQRPions? I have an accurate
> thermometer but ain't got nuttin' to measure humidity with.

Take the temperature from your operating position. The relative humidity can come from the airport, weather channel, etc. I'll be checking the local humidity on the wx channel every hour (runs by in the little "banner" at the bottom of the screen). Humidity can vary alot during any given day, so I want to be fair.

> I am not a very competitive person but I would really enjoy the
> contacts and want to operate within the rules.

Thanks for the questions! All of 'em are good ones. Don't forget, the BUBBA Sprint is all about fun. Whatever that means is up to you - racking up points, hunting for the warmest/coldest temps, working BUBBAs in between the neighborhood BBQ, etc.

Hope to hear you out there!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hot! Africa hot! Tarzan couldn't take this kinda hot!" -Biloxi Blues

Date: Mon, 18 Aug 97 18:41:24 -0500
From: Larry Trullinger <kb0emb@swbell.net>
To: Low Power Amateur Radio Discussion <grp-1@Lehigh.EDU>
Subject: [25097] Re: Keyers
Message-ID: <199708182336.SAA00884@SWBELL.net>

-- [From: Larry Trullinger * EMC.Ver #2.5.02] --

Bob,

Just received my Super CMOS III keyer saturday and it is a great kit. It is easy to build, low parts count. Current drain was 1.14 uA on mine so didn't even put an on/off switch on it. Will take a while before I get all the functions memorized !

You'll find it advertised in the back pages of QST and CQ magazines, the Idiom press people had the kit to me 7 days from the time I sent for it. It only has required parts for the PCB. Now I need to find a Kent Iambic myself , Hamfest coming up Sept 6th here in Missouri =;-)

72/73 KB0EMB Larry

Date: Mon, 18 Aug 1997 19:34:55 -0400
From: Bill Meara <wmeara@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [25098] HB RX@N2CQR - Taming preamp?
Message-ID: <199708182341.TAA02462@smtp1.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ferric Chloride users:

Made some MAJOR progress on my homebrew superhet receiver (20 meters) this weekend. Finally built a proper frequency readout. It consists of the circular part of the coffee can that is normally thrown out right after you smell the Folgers. With an old junk-box Jackson 6:1 reduction drive (out of a Swan 240!) and some scrap aluminum it is now providing me with far more frequency info than I had before. (Before I had to peer over the front panel to eyeball the tuning cap!).

I went ahead and built a little grounded gate FET pre amp circuit. The circuit comes out of W1FB's Design Notebook. It has really improved receiver performance. Before I could not hear the band noise - now I can. More important, however, is that it's two tuned circuits have completely knocked down the 22 Meter broadcast band spill over. So I no longer have to listen to fundamentalist preachers or Radio Canada International while trying to copy DX stations. Like I said - MAJOR progress.

I have one problem that I would like to ask the group about: As I tweak the two tuned circuits (input and output) in the pre amp, it breaks into

oscillation whenever I put them both at their resonant points. If I back off a bit on the input tank, the oscillation goes away, sensitivity remains sufficiently high and the 22 meter gang continues to be blocked. I suspect I may have failed to use a sufficiently short PC board trace to ground for the FET gate.

Anyway, is this worth fixing or should I just leave it as it is? Is it normal for grounded gate FET preamps to behave this way? Am I losing performance by operating the input circuit slightly off resonant frequency? Can someone explain WHY this circuit is doing this (Too much gain? Why would the lead length matter?)

73 de N2CQR
Bill Meara, Falls Church, Virginia
wmeara@erols.com
<http://www.mindspring.com/~johnmb/billm.htm>

Date: Mon, 18 Aug 1997 16:43:22 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25099] Bizaare Reading
Message-ID: <33F8DE1A.1F44@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm at the technical library at work Friday, looking to borrow a series of QST's the company has stored away.

These two engineers walked in. Quickly located a technical shelf, pulled out this old book. "That's it." says guy #1. "That's the book he mentioned. And it goes into details about the insect antennae."

I looked over, hoping to glean knowledge about log periodic dipole arrays, but first I ask: "You know, I read this very interesting book about 10 years ago -- all about insect communications and their antenna designs etc. Couldn't put it down...."

Guy #2 had the borrower's card in his hand. Sure enough, this was the book, I had read it in 1984 -- 13 years ago! And I was the very first name, first borrower. "Tuning

into Nature" cat #QL496.

Folks, if you've been reading antennas until the aluminum and copper flakes on your constructive hands is considered "Normal", try this book. It is a perspective you'll never forget.

Now I'm 'in line' to read it. Seems everyone got excited when I verbalized my book report.

Gotta read it again.

Definately QRP. And for you AM and sidebanders, check out the frequency modulation techniques!

Had to share this 'Re-discovered' book with you all.

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.

QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Mon, 18 Aug 1997 18:47:17 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU, maxj@agate.net, bcrow@carte.net
Subject: [25100] going out of haming sale
Message-ID: <199708182347.SAA06169@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi everyone:

Fixing to get out of haming for a year or so and want to get a good home for my qrp++ and radio shack dsp, battery (4ah), and mfj tuner (300w).

Right now I am using my setup for camping qrp wrk. I have the qrp plus and dsp and batt taped on top of the tuner and all I need to do is use the fishing rod to get an antenna up in a tree. has worked fine for me.

What I have my mind on purchasing is going to cost me 500 bucks and I will sell this set up for 400 bucks. Seems to be an excellent deal to me :-)

I am in Farmington Maine and if you are close enough I will deliver everything to you. If not the postage for shipping will be added to the bill as I need the even 400. Money order or cash fine.

I have a picture of this set up I can e-mail to you.
Oh I guess I had better say all is in good shape and working just fine.
output is set at four watts.

if your area code is 207, I can probably bring it to you personally.

Anyone living in the distance I am willing to drive has an advantage
here, otherwise I will stick pretty much with the order the e-mail comes to me.

In case I get no offers, I will be using the gear on my next camping
trip instead of a new boat... :-)

73, 72

Joel

God Bless

Joel

WA5CVM

Joel Denison

Gentle Lady (RC Sail Plane)(049 engine - high
start)

81 High street

40 mtr dipole up 40ft

Farmington, Maine 04938

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

jdenison@morelr.com

AK/QRP 109

Date: Mon, 18 Aug 1997 17:03:46 -0700

From: Ed Loranger <we6w@qsl.net>

To: pthomson@bruderhof.com, K5BDZ@aol.com, fmathews@norfolk.infi.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [25101] Re: W1AW Receiver

Message-ID: <33F8E2E2.242E@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well, got the receiver working Friday Night.

Had to carefully remove some turns from the feedback/
oscillation coil. The circuit was oscillating way
too low, at 3.2 MHz. Finally got it above 3.5 MHz as
the book states. Actually, Got it up to 3.580 or so on
the GDO.

That did it. Got 'ok' signals now. Still wish the
LM386 was louder. Even with the audio mod it is
a strain. Can't even drive a speaker very well. Maybe
the 9 Volt transistor battery isn't enough? I don't know,
the pixie is loud enough with the same set-up.

And I had forgotten to install the 100 Kohm base resistor on Q1!!!! Don't forget the output electrolytic either -- My earphone was getting warm! Also forgot the 50 or 100 uF battery bypass as well. The audio was better after putting this in.

So much for hand copying the circuit out of the magazine!

Anyway, it operates nicely with good to excellent selectivity. Picks up the GDO from 10 feet away, so it appears sensitive enough. Just a bit weak in the audio.

I'm going to build the 6 to 16 MHz receiver in a back issue of the QRP-Quarterly next and see the comparison.

Hope this report is useful.

Oh, my son Dale likes it. I made the whole thing a birthday present for him. (I'm late.... but we shopped for the parts together).

Antenna reel is Capital 'I' shaped. PVC pipe with a wooden dowel through a hole 1/2 inch from each end. Nice and clean. A slot at one end anchors the insulating rope on the antenna wire.

HSC had a neat battery mount for 9 Volters. Snap-in fit. just 99 cents. Got 10 unmarked germanium diodes for a dollar.

Final note: I've got about 20 or 50 2N2222A's but over 500 2N3251's. The 2N3251's Ft=300 MHz and Pd=360 mW.

Anyone try these over the 2n2222A's???

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Mon, 18 Aug 1997 20:18:20 EDT

From: ke3fl@juno.com (Philip Karras)
To: qrp-1@Lehigh.EDU
Subject: [25102] FS: Drake TR-7
Message-ID: <19970818.201920.6559.1.ke3fl@juno.com>

A fiend of mine, Joe Doyle/WA30HI has a Drake TR-7 for sale. He's asking \$600. It includes the power supply. It's in excellent working condition. You may contact me with any questions, tho' we may want to wait until after the UPS strike to ship. Power is adjustable to QRPP levels and up to about 140W max. There are four filters. All modes & general coverage RX down to about 10 KHz.

73 & 72 de KE3FL
Phil

Date: Mon, 18 Aug 1997 20:18:20 EDT
From: ke3fl@juno.com (Philip Karras)
To: qrp-1@Lehigh.EDU
Subject: [25103] www parts et el
Message-ID: <19970818.201920.6559.3.ke3fl@juno.com>

Just a quick note to those of you who build & repair things.

If you do NOT get Nuts & Volts you might want to pick up the August 1997 issue. It contains a very nice article called, "the Service Technician's Guide to the World Wide Web" which starts on page 86.

Things like looking up Howard W Sams Schematics:
www.hwsams.com/pfindex.html now you no longer need that nice catalog they use to send you at the beginning of the new year :-)

I wonder if they list manufacturers addresses & phone numbers?

others listed are, Digi-key, Jameco, JDR, Motorolam Jensen...

When you don't have the list just try the name followed by .com & 9 times out of 10 it will get you there.

73 & 72 de KE3FL
Phil

Date: Mon, 18 Aug 1997 20:18:21 EDT
From: ke3fl@juno.com (Philip Karras)
To: qrp-l@Lehigh.EDU
Subject: [25104] Turntable parts?
Message-ID: <19970818.201920.6559.4.ke3fl@juno.com>

Sorry for the bandwidth, but I have two turntable (33/45 RPM) that I need parts for. Does anyone know if there is/are second source(s)?

Craig says they no longer stock parts for their turntables & I haven't been able to even get Technics.

Thanks for any help.

73 & 72 de KE3FL
Phil

Date: Mon, 18 Aug 1997 20:21:05 edt
From: w8lrm@juno.com (Albert K. Rea)
To: qrp-l@Lehigh.EDU
Subject: [25105] Any Airforce Vets ??
Message-ID: <19970818.202120.6991.1.w8lrm@juno.com>

In the course of looking for a fellow that was in Alaska I came across the following address. What is an AC&W Squadron ?? This fellow was appearantly a civilian employee of RCA or Philca attached to the 743 rd AC&W Squadron. This was back in the early 60s. Also need to know where in Alaska this outfit was.

Thanks for any help.....72.....de.....

Al W8LRM
St Joseph, Michigan
on Michigans Sunset Coast

Date: Mon, 18 Aug 1997 17:38:00 PDT
From: "Chris Gearhart" <cgearhart@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [25106] New QRP Web Site
Message-ID: <199708190039.RAA05801@f43.hotmail.com>

Content-Type: text/plain

Hi folks,

Just wanted to announce my new QRP web page at <http://www.qsl.net/n1hwq>. It's quite sparse at the moment, but it does have two QRP chat rooms that you all are welcome to use. Might be useful for arranging qso's, having technical discussions, etc.
Let me know what you think!

73 de Chris, N1HWQ

```
+-----+
| Email:      cgearhar@usa.net          |
| Home Page:  http://www.qsl.net/n1hwq  |
| IP Mailbox: n1hwq@n1hwq.ampr.org      |
| ICQ:        443568                   |
| ICQ Chat Rm: 2782304                  |
| Ten-Ten #:  56555                     |
| OMISS #:    3225                      |
| NE-QRP #:   NE385                     |
| PGP f-print: A4A3 38DF EB00 BD85 7D30 2E6F 0018 FB96 6907 7CF5 |
+-----+
```

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 18 Aug 1997 18:54:07 -0400
From: Stephen Gibson <SWGibson@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [25107] Silver plating
Message-ID: <19970819003858.AAA2594@DEFAULT>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It is not the developer that is used for silver plating but the hypo. Many a penny I have converted into a dime in my younger and more adventurous days.

73

Steve, WB4NBI

Date: Mon, 18 Aug 1997 20:45:12 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: Bob Kellogg <ae4ic@nr.infi.net>
Cc: QRP List <QRP-L@Lehigh.EDU>
Subject: [25108] Silver Plating
Message-ID: <Pine.BSI.3.93.970818201938.18509A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I don't recall where I put it, but I had a small power unit that was designed for plating things. It ran off 110 vac, seems like there was a rectifier and current limiting device in it. Low voltage output as I recall. I never did find the darn instructions to it, but did read some stuff the the library on doing it. I seem to recall an article in QST or 73 about Silver Plating also. Another possiabl source of information is from Lindsay Publications INC. P.O. Box 538, Bradley IL, 60915-0538 (815)935-5353 If you haven't heard of them, send your name and address for a free catalog. It has a lot of Crazy , Weird stuff in it, but an amazing amount of good factual stuff that just happens to be out of date/ out of print. Antique Radio Buffs and Crystal Set Builders will be Delighted with some of the books. I recently purchased the book American Telegraphy and Encyclopedia of the telegraph. \$ 34.95 Sounds Expensive, but a rather detailed collection of otherwise lost information. Hard bound Reprint of a 1912 reference book. I scanned thru the current catalog that I have and did not find anything about Silver Plating, but I might have missed it or it may have been another catalog. Best to check with them.

Those of you looking for Simple Radio Learning Kits for kids should check into Radio Shack a bit closer. They still offer their Science Fair Kits. the 30 in one lab at abt \$ 15 was least expensive that I saw. If someone was interested in developing a Ham Radio Learning kit I would suggest that they Contact RS HQ and inquire about purchasing the Spring Connectors ONLY in Quantity.

I have seen other cheap learning kits around also. There is a book out there called? Alpha to Omega or something like that. A basic electronics book for kids with Cartoon Characters, etc. I got one around here some where, but don't know where just now. ^:)

Another thought is that some things could be built up on bread boards and or perf boards. Ever tryed using Brass Thumb Tacks and a soft pine board. Cheap and works. They also make handy and cheap solder pads.

72 ES

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"

Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

Date: Mon, 18 Aug 1997 20:52:04 -0400 (EDT)
From: "Robert D. Haslach" <rhaslach@CapAccess.org>
To: qrp-l@Lehigh.EDU
Subject: [25109] Re: Kids & Kits QRP-L digest 822
Message-ID: <Pine.SUN.3.91-FP.970818204143.10211A-100000@cap1.capaccess.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have agreed (begged, pleaded and schemed, is more accurate) to work Saturdays with our "adopted" class of 3rd graders at a school across town here in D.C. Steve ("Melt Solder") speculates in today's Digest about age limitations. But these kids got into my 2m repeater demo 2 years ago (rigged up with the boys from C-CARS on thr 145.11 repeater) and I suspect that they will be able to put together some simple circuits.

I hope to get some suggestions from youse guys as to what works and what doesn't with this age group. We have all the Saturdays in September, October and November (12?) to do a circuit, learn how to melt solder, and to make something each kid can own. I believe that a receiver will be the best start. But - general SW or ham? which band(s)? and (most important) who has a fool-proof design that I can kit with the men of my church?

Reply via the list so everyone in my enviable position can benefit from your wisdom!

Regards, N3FRT (10% of the *licensed* hams in Washington, DC)
Robert D. Haslach
Bye

Date: Mon, 18 Aug 1997 17:59:05 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [25110] Re: CQC Summer QSO Party NEXT SUNDAY
Message-ID: <199708190059.RAA10935@usr03.primenet.com>

> The Colorado QRP Club's Summer QSO Party is NEXT SUNDAY.

> ...
> Multipliers:
> ...
> Names: Unique First Initials. Total of first names from
> Name sheet. One first name per letter of the alphabet.

And to think my younger brother's name is Zim. I coulda been
a Zim. Pileups from here to Miami. But no, I'm a Joe. Average
Joe. GI Joe. Cup-a-Joe. Bubba Joe. Joe Mama.

Is it too late to have folks call me by my middle name? Can't
be too many I's (Isaac) out there! Oh well, I'll be calling
CQ 'til my fist turns blue. Please answer a good ol' Joe for
charity. :-)

Cheers de AB7TT.

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Are the voices in my head bothering you?" -The Gods Must Be Crazy

Date: Mon, 18 Aug 1997 20:53:55 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [25111] QRP Solar
Message-ID: <199708190058.UAA27107@pelican.talon.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello fellow QRP-L members. Wondering if anybody out there
is doing any QRP work with batteries charged by a solar panel.
I just picked up a solar panel at a hamfest this past week. Before
I go and start building a charging circuit I would like to see everyone
else is using out there.

73 & Good DXing
Ron de WB3AAL

wb3aal@talon.net

OWL's Radio Club

QRP # 5318 PA QSO Party 1996 Small Club Gavel
G-QRP # 3031 PA QSO Party 1996 Active Member, High

10-10 # 13173
QRP-L # 1099

Average Aggregate Award

Date: Mon, 18 Aug 1997 20:59:24 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [25112] QRP A Field
Message-ID: <199708190103.VAA27316@pelican.talon.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Anyone have or know where I can find information
about the QRP A Field contest in September?

73 & Good DXing
Ron de WB3AAL

wb3aal@talon.net

OWL's Radio Club

QRP # 5318	PA QSO Party 1996 Small Club Gavel
G-QRP # 3031	PA QSO Party 1996 Active Member, High
10-10 # 13173	Average Aggregate Award
QRP-L # 1099	

Date: Mon, 18 Aug 1997 16:36:15 -0400
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: sjolin@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25113] Re: TUNED GROUND WIRE?
Message-ID: <33F8B23F.5A2D@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I tuned my radials (cut them to 1/4 wave) and have at least two for each
band the Butternut is tuned to. Been successful fo far. I read in the
ARRL Antenna book that it is useless to have them more than 1/4
wavelength.

--

73 de
KI8CZ
Tom Isgro
OHIO

10-X #68364 SCI #1479 QRP-L #945 ARS #203
C.A.T.T #2115 FIST 2360 NORCAL ARRL

Date: Mon, 18 Aug 1997 18:11:37 -0700
From: Jim Lowman <jmLowman@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [25114] Re: QRP-L digest 822
Message-ID: <33F8F2C9.18A7@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Date: Mon, 18 Aug 1997 05:16:01 +0100
> From: pmk@juno.com (Patrick M Kvitkauskas)
> To: qrp-l@Lehigh.EDU
> Subject: [25045] Find a new home for that old equipment ???
> Message-ID: <19970818.051744.1726.2.pmk@juno.com>
>
<snip>

> I feel better giving something to a person that can really use it than
> giving it away for pennies on the dollar at a hamfest.
>
> So next time you see a want add think about where it is going and usually
> it will end up in a good home.
>
> I have gave away about half of the shack to local folks (mostly new hams
> that
> are in Jr High school as it is real popular here in Orlando).
>
> I just gave a few items away here on the list and I am sure they will get
> some

> good use left in them and hopefully get handed down as well.

I like this philosophy, especially in view of some of the outrageous prices that are being asked for used gear, on the various lists and on the "boatanchors" newsgroup from time to time. Fortunately, I haven't seen the inflated prices that much on QRP gear.

I was the beneficiary of exactly this type of thinking last week. One of my good friends at the local club was parting with some Heathkit gear (yes, it's QRO+ gear; don't shoot me!) and wanted it to go to someone who would use it, not turn around and sell it the first chance at a profit, and he singled me out for this individual honor.

Because of the variations in individual talents with regard to assembly of electronic kits, I'd ordinarily be hesitant to buy an assembled Heathkit. But Bob is also an electronics technician extraordinaire, so I knew that the gear would be cosmetically and operationally perfect.

With some of the profiteering and inflation at hamfests, as well as sales over the 'net, it's refreshing to see that the spirit of altruism is not dead in the ham radio arena. Mostly, I feel sorry for the newer hams, or those on a tight budget. Used, but working, gear always was the foot in the door for the newcomer.

I understand that we have one guy who shows up early at the local monthly swapmeet to buy whatever looks good, then turns around and marks up the items he has bought, for sale later that day. There's probably someone like him at most swaps.

Sorry this turned into a rant, and didn't have that much to do with QRP. Hope no one takes offense; none was intended.

73 de Jim - KF6CR/AE

Date: Mon, 18 Aug 1997 14:51:41 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: NilsBull@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25115] Re: Using Charge Controllers Question
Message-ID: <33F8F59D.5110@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

NilsBull@aol.com wrote:

>
> So can I use it to control charging a battery by using a 13.6VDC wall wart or
> a regulated power supply or something like that? Huh? Can I? Huh? Can I, huh?
> Use it like that? Can I? Huh? Huh? Can I? Huh? Can I, huh? Use it like that?
> Can I? Huh? Huh?

Nils,

Yes you can, can, can can, cancan, toucan, youbetcha.

I do this all the time to top up gellcells. I use a wall wart or about a 1 amp supply. Limit the current to less than what the charge controller is rated to switch. A Wall wart is usually fine and only takes a few hours on a 7AH cell.

Ken

Date: Mon, 18 Aug 1997 21:09:00 EDT
From: n4so@juno.com (charles k brown)
To: qrp-1@Lehigh.EDU
Subject: [25116] Phonograph Parts
Message-ID: <19970818.080653.4391.7.n4so@juno.com>

Tubes, parts, books, and supplies for Antique Radios
page 27 Phonograph parts - needles, cartridges, motor
mounting grommets, phono pickup wire.
page 25 PC Board Circuit Kit-- All you need to make your

own PC Boards , includes etchant.
page 24 Do It Yourself Electroplating! / Sells the plating compound and
instructions.
page 22 Heavy duty chassis boxes
free catalog

Antique Electronic Supply
6221 Maple Ave.
Tempe, AZ 85283
602- 820-5411
800-706-6789

Date: Mon, 18 Aug 1997 17:58:57 -0800
From: JLarsen@alascom.att.com
To: "'Frank, G3YCC.'" <g3ycc@gqrpclub.demon.co.uk>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [25117] SST Information from QRP-L. de AL7FS
Message-ID: <3FFF2C3C44B1D011899600A02458217023D1C3@alascomexca.alascom.att.com>
MIME-Version: 1.0
Content-Type: text/plain

Hi Frank. Did you put the SST info on your web page? It would save me
a lot of time if you did. Let me know. Thanks.

73,
Jim
AL7FS

> -----Original Message-----
> From: Frank, G3YCC. [SMTP:g3ycc@gqrpclub.demon.co.uk]
> Sent: Saturday, August 16, 1997 9:21 AM
> Subject: SST/20m
>
> Hi. I am awaiting delivery of my SST 20m and would appreciate any
> views
> on the kit. I can include any info on my web site if you so wish, for
> other QRPers to see.
> 72
> Frank, G3YCC GQRP Club 042
> Packet: G3YCC@GB7HUL
> QRP Web Page: <http://www.gqrpclub.demon.co.uk>

Date: Mon, 18 Aug 1997 20:33:47 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: wgabriel@duke-energy.com
Cc: qrp-1@Lehigh.EDU
Subject: [25118] silver in developer
Message-ID: <3.0.3.32.19970818203347.00696bbc@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi all,

you will not find much silver in spent photographic developer, it will all be in the fixer, which removes the silver ions that weren't exposed to light and then converted to metallic silver.

BTW-There was a similar thread on the Homebrew mailing list just last week.

Also, thanks for making me think about it, i just realized that I have access to quite a bit of a silver nitrate solutions that are just being precipitated to silver chloride prior to disposal. I'll check it out, we go through this stuff in the lab to the tune about 4-8 liters per day with (i think) 3 g silver nitrate per liter. (it's used to visualize DNA on electrophoretic gels).

73,
--adam, n2brt
adam-kanis@uiowa.edu

Date: Mon, 18 Aug 1997 18:45:00 -0500
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: qrp-1@Lehigh.EDU
Subject: [25119] Re: Study Guides for Younger Hams??
Message-ID: <M2018550.002.51c31.1.970819015515Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Boy, we seem to be getting away from the thread title, but I want to tell my story, too. :-)

In the year before I got my Novice ticket (I was in the 9th grade at the time), I talked my parents into buying me a Philmore radio receiver kit. Regenerative detector and a stage of audio, plus ac power supply. Covered BC and 6-18 MHz. Boy, this was gonna be neat!.

So I built it and had a great time doing it. When you don't know much and don't

have any real skills yet, you just jump right in and do it. You don't know any better. Where it said, connect points A and B with a piece of wire, I did it. The instructions didn't say how long, so I just grabbed any piece of wire at hand and soldered it in with my trusty 100 watt American Beauty soldering iron. Just do it!

When I was done, I thought it looked kinda untidy, with wires of all different lengths trailing around in it. Decided to clean it up a bit. Formed each overlength wire into a nice neat coil on the pencil, then took the pencil out. Looked a lot better now. No sloppy wires, just a bunch of neat coils. Even lined them up with each other. Sharp!.

Now to see if it works. Turned it on and yes, on BC I could hear lots of stations. Could even get the regeneration control to squeal. That was fun, too. Switched to the 6-18 MHz band to see what was happening on shortwave. Gotta be something good there.

Hmmm. No regeneration squeal. Well, the directions did say to be sure you got the wires on the right terminals of the coil. Checked that and all ok. Well, ok, no shortwave for now. Set it aside and went on to something else.

About five years later, I dug it out of my junk box, and the answer slapped me right in the face. No regeneration, right? 'Course not, it was totally choked up with all the little rf chokes I wound, taking up all the slack in my haystack wiring job. For curiosity, I clipped each lead down to its minimum length, and fired it up again.

Hey, it works! What a deal. With just a little more knowledge than I had at the time, it could have worked back then. Oh, well. I had fun with it twice this way.

73, Bob N6WG

Date: Mon, 18 Aug 1997 19:35:15
From: "M. Monninger" <markem@primenet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [25120] Re: Kids & Kits QRP-L digest 822
Message-ID: <3.0.1.32.19970818193515.0097bbe0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The recent posts about kids & radio remind me of the times that Dave, AI7R, and I have given demos to my wife's (N7XUZ) classes (she teaches 4th, 5th, 6th grade gifted kids). We brought in a bunch of HTs, a couple HF rigs, stuff we'd built, a couple keys, and Dave's Vibroplex bug. Guess what is

consistently the biggest hit?...the code stuff. They all seem entrallled with it and are amazed that it can really be used to communicate. The last time, we tuned in a QSO on 40M and copied it all down on the board, then explained all the Q-sigs, etc. They didn't want to stop. We passed out some of the Archie comics from the ARRL and they used the code table in there to start writing messages. The bug really attracts them (somewhat to Dave's dismay :-). I'm putting together a little telegraph system for them to use in the classroom...a couple keys & headphones & an MFJ CPO so they can send messages back & forth. It'll be interesting to see how many we can hook. I think part of it is that the kids don't know it's supposed to be hard. BTW, it will be part of a unit on codes that my wife is teaching, so there is some academics in it.

I have not had as much success with my own kids (age 10 & 14). The 14-yr-old is just not interested. The 10-yr-old bugged me for months about building a radio so I picked up one of the TenTec 9-band regen kits. We got a good start and she had little problem with the soldering, etc., but just lost interest in it about half way thru. Said it was too tedious. Sigh...maybe it was a bit too complicated a kit to start with. I built my first kit at about that age...a Knight-kit Span Master regen rcvr...and thought it might be kinda neat for her to do the same thing only with "modern" technology. Maybe I shoulda started with something simpler.

Anyway, I'd certainly encourage you all to do some show & tell to kids in the elementary grades. And be sure to bring some keys & CPO's and let them play with them.

73... Mark AA7TA

Date: Mon, 18 Aug 1997 22:43:34 -0400
From: "N4ELM" <n4elm@ipass.net>
To: <qrp-1@Lehigh.EDU>
Subject: [25121] FS: QRP++ travel station
Message-ID: <199708190312.XAA27842@passport.ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Pre-Shelby Hamfest Sale
Equipment can be delivered to the 1997 Shelby Hamfest

For Sale:
Complete Portable QRP HF Station consisting of:

Index Labs QRP++ HF transceiver
160 - 10 meters CW, SSB 0 - 5 watts transmit
General Coverage receive CW, SSB (No AM mode)
with DC cable and manual.
Mods: Index Labs RF gain control mod and antenna input diodes added.

Index Labs Companion Tuner (for QRP+)
tuner, noise bridge, and battery in one box
with charger and manual.
Mods: Added circuit breaker on back, Added LED for voltage level on front.

DOSKIL All Weather case 19X14X8
Heavy Black Plastic case with foam cutouts for QRP++ and accessories.
Suitable for Airline or General shipping.

Nye Viking Iambic Paddle
M/SSK-1
wired for QRP++

All is in good to excellent condition, slight wear or scratches on the cases.
Everything works. Radio and tuner purchased NEW in Dec 1996; case 1997.
Station will be sold together ONLY - Will not separate.
All for \$800.00 OBO + shipping in USA

Pre-Shelby Hamfest Sale
Equipment can be delivered to the 1997 Shelby Hamfest

73 - Dave, N4ELM.

Date: Mon, 18 Aug 1997 23:21:52 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU
Subject: [25122] CLARIFYING TUNED GND WIRE
Message-ID: <970818232025_-117696126@emout05.mail.aol.com>

I am sorry abt the misunderstanding but the question was referring to the wire that leads from the transmitter (ATU) to what ever type of ground system you have (pipe, etc) and was not to be limited to just vertical antennas.

The book states that an effective electrical ground can be ruined as a radio ground by an overly long ground connection (say running a ground wire from a second story to your ground rod).

This was not to refer to say the radial themselves but rather the line leading to the ground system.

Thanks so much for all the feed back and the pointing out MFJ even makes such a "ground wire tuner"...

I was curious if this was more theory than practic...Alan KB7MBI

Date: Mon, 18 Aug 1997 23:31:15 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [25123] re: Atlas 210X another
Message-ID: <Pine.GS0.3.96.970818232049.23194A-100000@hercules.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There was a big response to the Atlas 210X fixer-upper.
I have another 210X that is in very good+ condition .
It comes with the Atlas console/ac power supply and an inexpensive hand microphone and the manual (when I find it).

The rig which is 3-1/2" high and 9-1/2" wide slides into the console and makes connection with the speaker in the console and also to the mic and phones jacks which are on the front of the console.

The rig easily turns down to qrp levels as measured with my WM-1 wattmeter.

This rig runs fine and is not a fixer-upper.

The price is \$220 shipped UPS....
If you want the WM-1 which is in like new condition; I will ship both for \$275. I won't sell the wattmeter separately.

That's right the UPS strike is over.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Mon, 18 Aug 1997 17:09:52 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: wb3aal@talon.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25124] Re: QRP Solar
Message-ID: <33F91613.7B5@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron,

I have used solar and gel cells or deep cycle batteries for qrp and gro for ten years. For QRP the demands are small. If your solar cell can provide 500 mils or more (more means quicker recharge) then you can recharge on a sunny day. You need a charge controller, and one or more gel cell batteries and you are in business. Having spare batteries is a must if you have minimal charging capability from a small solar panel. It is fun and liberating. Give it a go.

Cheers,
Ken, N6TZV

Date: Mon, 18 Aug 1997 20:44:17 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [25125] New General
Message-ID: <199708190344.UAA15001@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, the XYL did it...passed the General written tonite, and after having passed the 13 wpm at Ft Tuthill, is on her way. Hope to get her into the CQC sprint this weekend, and the BUBBA 'test the 31st.

Can't get her on the list yet....too much mail for her right now.

She is about 75% done with the .38 SPL that she is building, going slowly and methodically, unlike myself. Hopes to have it done before too many moons pass :^).

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=5

Date: Mon, 18 Aug 1997 21:08:11 -0700 (PDT)
From: Randy Foltz <rfoltz@wsunix.wsu.edu>
To: qrp-l post <qrp-l@Lehigh.EDU>
Subject: [25126] A BUBBA ID style
Message-ID: <Pine.OSF.3.95.970818210133.15017A-100000@unicorn.it.wsu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Now up here in ID, I don't have much of a chance on getting the high
multipliers for temperature. So..I'm currently designing a smallish tent
to operate from. I'm going to cover it with that black garden plastic
sheeting so it will warm up a bit inside. Next I'm going to put some
football to basketball sized rocks inside the tent. The rocks will have
been heated near a fire. Once inside the black tent, I'll pour water on
them to increase the humidity. I think this arrangement will get into the
upper left hand corner of the heat index table.

Alternative B: Much simpler, but not quite as innovative. I'll operate
sitting in a hot tub. Water temp around 105 and humidity of 100% in the
water. Joe, AB7TT, says I've got to use a snorkel to fully qualify with
this alternatiive.

With prizes like the Scorps are offering, a fella has just got to be
innovative.

72,

Randy

AB7TK ARCI QRP-L NORCAL NWQRP ARS
Moscow, ID

Randy
AB7TK ARCI QRP-L NORCAL NWQRP ARS
Moscow, ID

Date: Mon, 18 Aug 1997 14:20:54 -0700 (MST)
From: ruswhite@netzone.com (Russell W. White)
To: qrp-l@Lehigh.EDU
Subject: [25127] Re: Study Guides for Younger Hams??
Message-ID: <199708182120.0AA18282@nz1.netzone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here is one possibility:

"Riding the Airwaves with Alpha & Zulu"

Let Alpha, Zulu and other characters teach you and your kids amateur radio. Have fun studying for the Novice and No-Code Technician tests. 288 pages of cartoons, mini tests and games. HRO price \$14.95

Russ

Russ White AB7JX	QRP-ARCI	NORCAL	NEQRP
Phoenix AZ	QRP-L#179		AZ ScQRPion

<http://www.netzone.com/~ruswhite>

"Government is not reason. Government is not eloquence. It is force. And, like fire, it is a dangerous servant and a fearful master."
---George Washington

Date: Mon, 18 Aug 1997 22:34:12 -0600
From: Greg Newberry <newberry@cyberhighway.net>
To: QRP-L Group <qrp-l@Lehigh.EDU>
Subject: [25128] Voltages on 38s

Message-ID: <33F92244.687F@cyberhighway.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

In the redrawn schematic in the center of the QRPP they show the Recv voltage for Pin one of U1 NE602 to be about 6vdc. Later in the QRP there is a list of voltages and you list about 1.4vdc on pin one. Mine is 1.4 or so. Which is correct?

Also is anyone else getting a mail failure sending to Paul Harden at na5n@rt66.com? This is the error I get:

<na5n@rt66.com>:
Connected to 198.59.162.1 but sender was rejected.
Remote host said: 571 <newberry@cyberhighway.net>... This domain is banned.

I've tried 4 times on three different days.

Thanks all..
Greg

--

```
-----  
|  Greg Newberry      newberry@cyberhighway.net  |  
|  WB7DUO QRP-L #760  |  
|  NorCal #1899       |  
-----
```

Date: Tue, 19 Aug 1997 05:29:27 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [25129] going out of hamin sale
Message-ID: <199708191029.FAA07711@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've got a deal going. thanks for everyone who e-mailed
all most sold... just about a done deal... just a pre-flight to do...

73 Joel

God Bless
Joel

WA5CVM

Joel Denison
start)

81 High street
Farmington, Maine 04938
jdenison@morelr.com

Gentle Lady (RC Sail Plane)(049 engine - high

40 mtr dipole up 40ft
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
AK/QRP 109

Date: Tue, 19 Aug 1997 07:07:10 -0400 (EDT)
From: ROBERT PENNEYS <radio@UDe1.Edu>
To: qrp-l@Lehigh.EDU
Subject: [25130] 40 m loop ideas??
Message-ID: <199708191107.HAA18012@copland.udel.edu>

Got the Norcal 40A running, great fun, thinking about putting up
a loop for 40m. Have a house in middle of lot with line of trees in
back, although fairly low.

Looking for your input. Design, height, how to feed, whatnot.

Tnx for your suggestions for SLV. Will be putting one together soon.

72, Bob N9GG

Date: Tue, 19 Aug 1997 08:13:22 -0400
From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [25131] Silver Plating Using Fixer or "hypo"
Message-ID: <v03110700b01f3a1d1bcf@[132.235.72.186]>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

Gang,

Feb 1985 Ham Radio Magazine has a great article on using the fixer

for silver plating stuff. Here is a quick rundown.

It is very simple:

A six volt battery + is in series with a 10k pot, 0-100ma meter and the wire from this meter goes to a carbon rod, like out of a battery.

>-----(-BATTERY+)-----10K POT-----0-100ma METER-----CARBON ROD

The Carbon rod used was out of a dry cell. It is wrapped with a kitchen sponge and the sponge is secured with rubber bands.

1. The items to be plated are thoroughly cleaned with fine steel wool and trisodium phosphate, available at paint stores. Don't touch items with bare fingers after they are cleaned.

2. Connect the negative battery clip to the piece to be plated.

3. Dip the sponge wrapped carbon rod into the bowl of used fixer and rub the sponge covered rod along the surface of the item to be plated. (Note: the item to be plated is out of the solution, the sponge is used to carrying the solution TO the item.)

4. At the same time adjust the pot for a 50 to 100 ma reading, 50 ma is a good choice.

Practice, etc...

If anyone wants the article, I can snail mail it.

73 de NS80

```
***** Amateur Radio *****
*
* NN      N  SSSSSSS 8888888 0000000 Greg Weinfurtner AEE BSS *
* N N     N  S      8      8 0      0 Electronic Design Splst *
* N N     N  SSSSSSS 8888888 0      0 Ohio University Athens *
* N      N N      S 8      8 0      0 GO BOBCATS! *
* N      NN  SSSSSSS 8888888 0000000 *
*
* "Can thou send forth lightnings that they may go and say *
*      unto thee, 'Here we are?'" Job 38:35 *
*
```

* weinfurtner@ouvaxa.cats.ohiou.edu *

* <http://ouvaxa.cats.ohiou.edu/~weinfurtner> *

Date: Tue, 19 Aug 1997 08:15:30 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-1@Lehigh.EDU
Subject: [25132] Re: Earlier Silver Plating Question
Message-ID: <852564F8.0042558F.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII

Thanks, Keith for the correction on using FIXER rather than the developer.
I'd heard of this but never done it. Appreciate the help.

Watson/WB4EXW

Rather than photography, try an X-ray lab, commercial preferred. They
are usually listed under "Laboratories, Industrial", and ask if you can
buy their spent FIXER...

Date: Tue, 19 Aug 1997 08:33:07 -0400
From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
To: qrp-1@Lehigh.EDU
Subject: [25133] Sonar 1
Message-ID: <v03110701b01f3f6158ca@[132.235.72.186]>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

Gang,

I seem to remember that someone was looking for old tube-type 12vdc
cb's. I ran across a Sonar 1, that is missing the vibrator. Powering it
up with a transformer supply seems to get sound out of the thing. It only
has a few crystals. 8 possible positions for xtals. The case is good

condition too.

If you were looking for one like this drop me a line, it could be yours for \$10.00 + shipping.

73 de

```
***** Amateur Radio *****
*
* NN    N  SSSSSSS 8888888 0000000 Greg Weinfurtner AEE BSS *
* N N   N  S      8    8  0    0 Electronic Design Splst *
* N N   N  SSSSSSS 8888888 0    0 Ohio University Athens *
* N    N N      S   8    8  0    0 GO BOBCATS!             *
* N     NN  SSSSSSS 8888888 0000000                       *
*
* "Can thou send forth lightnings that they may go and say *
*      unto thee, 'Here we are'?" Job 38:35                 *
*
*      weinfurtner@ouvaxa.cats.ohiou.edu                     *
*      http://ouvaxa.cats.ohiou.edu/~weinfurtner             *
*****
```

Date: Tue, 19 Aug 1997 08:36:01 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-1@Lehigh.EDU
Subject: [25134] Re: Earlier Silver Plating Question
Message-ID: <30962.owen@piper.eeel.nist.gov>

In message Mon, 18 Aug 1997 18:07:59 -0400,
"Bob Kellogg" <ae4ic@nr.infi.net> writes:

> Hey, I have a source for used developer!!
>
> Anyone know the process of using it to plate? I, too, would like to plate
> some copper strips to use in building a tuner.
>

> -----

Guys there is a product that may be easier to use than a plating setup.
It known as Silver Bullet and is used by the power industry to plate
connections. They claim that 1/2 lb will plate aprox. 3000 sq.in. at a cost
of \$55.00 for the 1/2 lb. Write or Call Clipper Products Group, TEC

Center, 123 N. St., Dublin, Pa 18917-1000 1-800-280-1682 and ask for information on Silver Bullet Products. 72/73 Jim K4CGY qrp-l #72

Date: Tue, 19 Aug 1997 08:41:06 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-l@Lehigh.EDU
Subject: [25135] Radial Lengths for Verticals
Message-ID: <852564F8.00452158.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII

There has been some discussion going on about lengths for tuned radials, etc.

Thought I would mention that there is an excellent article in the Spring, '97 issue of Communications Quarterly on optimum lengths for radials on elevated verticals (not ground mounted). Seems that the old "standby" of a quarter-wavelength long is not the best length. If I remember the article correctly, things like 1/8 and 5/8 (I think) are more optimum for balancing radial currents so as to get the designed pattern from the antenna.

Very interesting article!! It seems so logical, it is amazing that no one has thought of this before.

Watson/WB4EXW

Date: Tue, 19 Aug 1997 09:09:20 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [25136] Tuning L networks
Message-ID: <33F99B00.781B@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anyone proven that you can't misadjust a two element "L" network? I'm reasonably sure that single element networks can't be misadjusted and you need to be careful with 3 element networks, which can be excessively

lossy?--Zack W1VT

Date: Tue, 19 Aug 1997 09:11:44 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <NilsBull@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25137] Re: Using Charge Controllers Question
Message-ID: <199708191312.JAA16763@mh004.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Nils,

You sure can. I've been doing just that to charge my Gel cells for some time. You need to be sure you have the "Micro M" version of his charge controllers. (Some *won't* work in this application) Also, you need to feed it 15-16 volts. Mike's little Micro M works so well for this application (It was designed for control of Solar panels) that I've been going to write an article on it, but just haven't done it yet. And, it only costs about \$25.

I mounted my Micro M inside one of the "Allen Bond" power supplies, and turned the supply voltage up to 16 V. Works like a charm

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not nececelery. -- Benny Hill

> Ok, I have this little charge controller what I bought from Mike Bryce.
It's
> pretty neat. It takes the solar panel energy, turns itself on and charges
the
> battery. When the battery is charged, it turns itself off.
>
> So here's the question: since controlling the electricity that's charging
the
> battery is what this charge controller does, can I also expect that it
would
> do that with, say, 13.6 VDC from a power supply plugged into the 110 AC?

Date: Tue, 19 Aug 1997 14:28:52 +0100
From: ea8yu Goran Hosinsky <rodriguez@jet.es>
To: qrp-1@Lehigh.EDU
Subject: [25138] Thunderstorm warning system
Message-ID: <1.5.4.32.19970819132852.00666504@jet.es>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi!

Here at the Swedish Solar tower we use the Model 100 protection system
from RABUN LABS, CLAYTON, GA 30525

It is a receiver and alarm system with

Switchable sensivity for lightning 5 miles / 20 miles
Visual and audio alarm for nearing thunderstorm
Switching of power line, max 1200 W
Switching of telephone line
Switching 2 antennas to grond (PL contacts)
Led thermometer display showing frequency and amplitude of nearby activity.

We have been using the unit for a year or two and it has worked fine

Usual disclamer is valid

Saludos
Goran ea8yu

Date: Tue, 19 Aug 1997 09:43:29 EDT
From: wa5whn@juno.com
To: qrp-1@Lehigh.EDU
Cc: bensondj@aol.com
Subject: [25139] Armed with a GM-17 & Tick keyer @ 0100 UTC
Message-ID: <19970819.074205.6703.1.wa5whn@juno.com>

qrp-lers,

Armed with my Small Wonders Lab (NN1G design) GM-17 xcvr, and embedded
Tick keyer, & a Cushcraft R7000 vertical. I had wandered out into the
vast part of the 17 meters spectrum, alone, or so I had thought.

Carefully checking each & every 200 Hz, up from 18.068 MHz, listening for that tell tale sign (CQ), I was ready to pounce. What's this ? A signal (579) calling CQ. It's one of the Chaps from the "Land down Under" (VK). I circle, and make sure no one else is nearby, then I pounce. Wahoo !!! Success... A 539 (QSB), and I reel in another one. Without any fear of the "Black Light", I hunt & pounce scQRPion style on to another signal. Yup, nailed another One.

What's this I hear, do my ears deceive me ? A KL7 ? (Side note: I had always thought it would be funny, if Alaska would split into 2 States & make Texas the 3rd largest State in the USA. :-) This is fun. Soooo, I fire up the GM-12, nothing, big zip, just noise. :-(Back to the GM-17. I am in grid square DM65qd. I do not hear one State side station on 17 meters. Where's the rest of the crowd ? I have this whole band all to myself to hunt & play in.

The Cushcraft R7000 is nearly a full length half-wave vertical on 17 meters. My take off angle is ~ 16 degrees, from an altitude of 5,000 feet asl. I was copying the South Pacific, from maidenhead grid square DM65qd, with S-2 to S-7 signal strength. Some of these VK Stations would call "CQ" with no takers. I would never keep this band all to myself, but sometimes, I think that is happening. Fun, ok, I will share. Where's the rest of the crowd ? Hmmm, wonder if You could string a dipole between two roos ? G'day Mates.

72...Bubba , WA5WHN DM65qd
Albuquerque, NM

Date: Tue, 19 Aug 1997 09:40:46 -0400 (EDT)
From: "Leonard J. Barish" <barish@kutztown.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [25140] Sept QRP field contest?
Message-ID: <Pine.SOL.3.91.970819093431.24013A-100000@atlantic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I inadvertently erased the post regarding an upcoming QRP contest that incorporated field operation during the month of Sept. Would one of you be so kind as to send me the info and the registration materials if you have them. Thanks to all on this list for being a valuable resource to a Ham new to H.F and especially QRP.

72,

Len

Len Barish N2BSC	ITVA	
Department of Telecommunications		ARRL
Kutztown University		DLARC
Kutztown, PA 19530		NORCAL
Phone (610) 683-4490		Norcal 40A
FAX (610) 683-4659		NW 8020

If the whole world is a stage, I want better lighting.

Date: Tue, 19 Aug 1997 09:46:29 -0400 (EDT)
From: K5BDZ@aol.com
To: zlau@arrl.org, qrp-1@Lehigh.EDU
Subject: [25141] Re: Tuning L networks
Message-ID: <970819094616_823104382@emout15.mail.aol.com>

Zack

You sure do ask good questions!

Come to think of it, I've used L tuners for over 40 years (my ham license was issued with my birth certificate) and I don't ever recall a mis-tuning situation. Nor do I ever recall "loading the coil" instead of the antenna...i.e. no hot coil.

The L network has been a favorite of mine for years...fewer moving parts.

Usually I use a roller inductor, and sometimes a fixed cap, but usually a variable cap.

I base my judgements on practical application experience, not book-theory.

Am I just lucky?

Good luck in your survey

Bill, K5BDZ

k5bdz@aol.com

Date: Tue, 19 Aug 1997 9:08:39 -0500
From: Guy Dragoo <gdrag@proedge.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU> (Receipt Notification Requested IPM Return Requested)
Subject: [25142] RE: SG for Young Hams?(Diatribes and long...sri)
Message-ID: <"EXCHANGE-970819140839Z-361*/PRMD=The Productive E/ADMD= /C=US/"@MHS>

Howdy all,

I have several kids (3 girls...which are like all kids and are little knowledge sponges :-}). And find nothing more rewarding then exposing them to the wonders of the world around them. I know there are several ARRL people on this list and this is an open question to them as well as other interested parties as to why we (as an organization) are not targeting the topic of this thread (kids).

The ARRL et al should in my estimation be the leader in a whole range of activities and programs that are specifically oriented toward kids....maybe I have missed something, but I have seen zero effort toward this.

The Experimental Aircraft Association has launched an effort called "Young Eagles" to introduce kids to the experience of flying (which by all outward signs appears to be very successful). In today's world the only thing protecting your interest are numbers and involvement of those individuals. None of our hobbies are in fact guaranteed by the constitution (not really an issue anyway, as shown by laws restricting law abiding citizens regarding guns) and are only conditional on our ability to keep individuals involved and other intervening (commercial and governmental) interests at bay.

The ability for leaders to see the future and have vision is very important for organizations (in today's listless, uninvolved society) to survive. Kids are our future and they must be exposed to the wonders of radio and the magic of our world.

Where are these programs? Take a look at the dwindling ranks of the ham community and the increasing age of the individual ham and tell me that I am wrong. This isn't really about code or no-code...it is about exposing our next generation to the wonder of radio and the rewarding hobby that can be made of it....which if the kids never see it they will never know, enjoy, or pursue.

Sorry for the diatribe....just wish more organizations I was involved in took more of an interest in the kids instead of themselves.

Guy AC5HL

Do something for yourself today and help a kid.....

Date: Tue, 19 Aug 1997 10:25:40 -0400
From: cooper@gmpvt.com (Tom Cooper)
To: qrp-1@Lehigh.EDU
Subject: [25143] Re: Nastalga
Message-ID: <199708191425.KAA22413@web.gmpvt.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Here's an "old log" story:

AB1T and I were operating FD and got to talking about the CD Parties, contests that the ARRL used to have for stations with "appointments", like ORS, 00, SCM, etc, and we wondered if we had ever worked each other then.

Well, I found those old logs and went through them and found his old call in the log for the July 1967 Party, so I called him up on the phone and while we were talking I noticed that the date was exactly 30 years ago and the time was within a few minutes of the logged time! Talk about your bizzare coincidences.

Tom W1EAT

Date: Tue, 19 Aug 1997 10:11:08 -0400
From: "William C. Robbins" <billrobb@net-link.net>
To: qrp-1@Lehigh.EDU
Subject: [25144] FS: Ten Tec Omni Station
Message-ID: <199708191411.KAA18579@serv01.net-link.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is not exactly qrp but alot of QRPers are also Ten Tec fans.

For Sale:

Ten Tec Omni C Model 546
Extremely Nice condition
3 crystal filters .5/1.8/2.4 Mhz
3 Active Audio Filters
Adjustable notch
160 - 10 Meters
Digital Read-out
QSK
Manual
100 Watts Output
12 Volts
\$590

Ten Tec Model 255 Power Supply
Speaker built in
Phone Jack
Amp Meter
25 Amps peak
Excellent Condition
\$145

E-mail billrobb@net-link.net

Bill

William C. Robbins
WA8CDU Formerly WN8CDU
Heath Collector

Date: Tue, 19 Aug 1997 07:17:34 -0700
From: David Shalita <af389@lafn.org>
To: Ham-Homebrew@ucsd.edu
Cc: qrp-1@Lehigh.EDU
Subject: [25145] Fast O'scope for tiny Homebrewer budget
Message-ID: <33F9AAFE.4E3@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I am still working (having fun) on my Comb and Marker gen ckts for my HomeBrew Spectrum Analyser. My old trusty 35 mhz scope is UNUSABLE with comb ckts that narrow pulse width and with the surplus 100 mhz TTL osc dips I bought. My TTL 74F gates and flip flops won't operate when driven with these 100 mhz TTL osc parts because, the osc's are actually output ECL voltage levels. Finally figured this out by testing on a friends TEK465 scope...marginal but usable with 100 mhz ECL.

I am desperate for a replacement usable used or new scope, TINY BUDGET, for checking QRP RF ckts and for checking 100 mhz ECL and TTL logic. This is for my home shop shack.

What scope are you folks using that are small, light weight for checking RF and for checking high speed digital logic?

I have looked at TEK 465, 475, 485. I find the probes for a 485 are possibly more expensive than the scope. Sounds like we use 465,75,85 until they need repair, then discard due to parts shortages. This worries me.

Anyone using a TEK TDS360 or 380 at these speeds? Very expensive but can print waveform on a Laser printer.
7904 seem usable but are too big for my space.
Any usable TEK 2XXX series at these speeds?
I am use to analog scopes so these Digital Sampling Scopes worry me when I try to use for analog measurements.

Please list model numbers that work for you. This will be very helpful.

Thanks so very much for any helpful hints and model numbers to help narrow and concentrate my search.

73, W6MIK

--

Dave Shalita,
af389@lafn.org
Van Nuys, CA

Date: Tue, 19 Aug 1997 07:38:22 -0700
From: Ron Giuntini <rong@slip.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25146] Molex
Message-ID: <E0x0pQL-00016F-00@mole>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to the folks that replied concerning my question about a standard configuration for Molex connectors. Everybody told me the male pins go in the female connector and the positive goes in the pointed side. The logical reason the female pins go into the male connector is that this is the connector coming from the power supply and there is less chance of shorting the pins. THANKS!

Ron

Date: Tue, 19 Aug 1997 10:02:41 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <wb3aal@talon.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25147] Re: QRP Solar
Message-ID: <199708191443.KAA16462@mh004.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Ron,

Yes, I Solar charge my batteries all of the time. I'd recommend you get a "Micro M" charge controller from Mike Bryce. It only costs \$25, and will do the job for small panels. I use mine with a 10 Watt panel. (it will also charge small Gel cells from a power supply, see previous post)

There was an article on this controller in the Sept '96 QST which gives all of the details.

Any time you hear me on the air, I'm operating battery power, even from my shack. In the field, I use a Solar charger and in the Shack I use the batteries charged with the Micro M and a modified Allen Bond power supply.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

> Hello fellow QRP-L members. Wondering if anybody out there
> is doing any QRP work with batteries charged by a solar panel.
> I just picked up a solar panel at a hamfest this past week. Before
> I go and start building a charging circuit I would like to see everyone
> else is using out there.
>
> 73 & Good DXing
> Ron de WB3AAL

Date: Tue, 19 Aug 1997 10:50:17 -0400
From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [25148] Re: Tuning L networks

Message-ID: <v03110705b01f5ad4ce11@[132.235.72.186]>

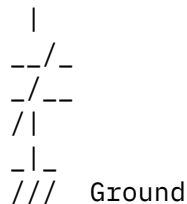
MIME-version: 1.0

Content-type: text/plain; charset="us-ascii"

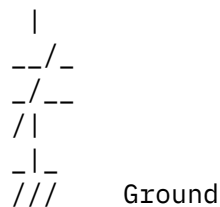
Content-transfer-encoding: 7BIT

While at Dayton one year, I ran across a guy that had the simplest tuner that you could have. It had only one knob. Yep, one. It was no more than a roller inductor and a variable cap hooked together with a rubber toothed belt. So each turn of the knob turned the variable cap through one rotation and the inductor through one turn. He had five jacks on the back of the thing, (3 for roller, 2 for capacitor) for various configurations, connected by banana plugs. No reason one couldn't use a switch with short connections. On HF that shouldn't be a problem. VHF is another question...

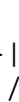
1. Rig >-----uuuuuu-----< Antenna



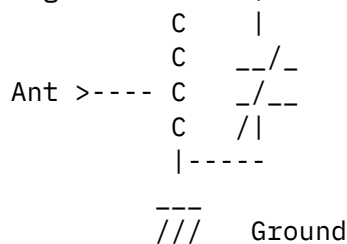
2. Rig >-----uuuuuu-----< Antenna



3. Rig >-----uuuuuu-----|/|----< Antenna



4 Rig >-----C-----|



```

5      Ant >-----C-----|
          C      |
          C      --/_-
Rig >---- C      _/_-
          C      /|
          |-----
          ---
          ///   Ground

```

Anyone familiar with our pal and mentor, Mr. Smith (Phil?), of the Smith Chart fame, (Written up in a 194?'s Electronics article, excellent by the way) could see that almost any impedance could be matched with the above configs. As for values, I think 20uh and 350pf was what was used, although by experimentation, one could refine these values to fit their particular needs.

73 de NS80

```

-----
Date: Tue, 19 Aug 1997 11:19:28 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [25149] Small inductor for a tuner?
Message-ID: <Pine.LNX.3.93.970819110820.564G-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

```

I've been looking to build a small (read SST sized) tuner for a while. The inductor is usually the "big" part in the box. Looking at an old QRP Quarterly article I was *hit* with an idea. Has anyone come up with a way to attach a shorting bar to a knob, and the outside of a wire wrapped toroid? I think it would look something like a rheostat without resistive wire. (ie. it would ride on the outside of the toroid somewhat like the MMA coil) Failing that maybe something like the speed controller for slot cars? A ferrite rod, wire wrapped, with some sort of slider arrangement? I'm just looking to be lazy, and benefit from someone else having beat their head against the workbench :)

```

-- Chris Cartwright,   Technical Engineer |      ccart@vidtel.com      --
-- N3XRV               QRP WAS 17/9 (w/c) |      ccart@erols.com      --

```


-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --

Date: Tue, 19 Aug 1997 11:15:55 -0400
From: pthomson@bruderhof.com
To: qrp-l@Lehigh.EDU ("Low Power Amateur Radio Discussion")
Subject: [25150] Re: Study Guides for Younger Hams??
Message-ID: <98B6F9338100001F5CAB@mail.bruderhof.com>
MIME-Version: 1.0
Content-type: text/plain; charset="ISO-8859"
Content-disposition: inline
Content-transfer-encoding: 7bit

kd1jv@moose.ncia.net wrote:

>>> geared towards school kids, but then the liability issue of kids and hot
>>> soldering irons hit me and decided maybe that wasn't such a good idea.

>>

>

>How about going to the other end of the spectrum? Say a Pixie like
>transciever for 1750 Meters? Being able to send code between class rooms
>with something they built might be enough to get them interested.

>

>We'll save the 6 meter rig for the High School kids...

>

Years ago, when my little brother was sick in bed, I whipped up a couple
of <100mW CW transmitters on the AM broadcast band. You just tuned
them to beat against a distant station's carrier and you were all set.
They worked fine over the 1000 foot path we used between two bulidings.

1750m would be fine, but it tends to be a very challenging band to
operate on. Indoor noise levels are incredibly high, and you need a
monster antenna for anything but "in-house" communications. Still, for
beginners it might be just the thing. An inefficient antenna and a nearly
deaf receiver might take care of the noise problem.

I'm starting to get inspired... A ceramic resonator, a 4049 IC and one
transistor for an amp/mixer ala Pixie... could be fun!

72 de KA2QPG,
Pierre Thomson

Date: Tue, 19 Aug 1997 08:30:35 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: wgabriel@duke-energy.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25151] Re: Radial Lengths for Verticals
Message-ID: <33F9BC1B.A25DC008@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Watson R Gabriel Jr wrote:

>
> There has been some discussion going on about lengths for tuned
> radials,
> etc.

<snip>

I recently set up my 33' rooftop mast (holds up the center of my dipole) as a 40 meter groundplane. I followed the advice in Les Moxon's book ('HF Antennas for All Locations', RSGB) and made the 8 radials 10' long instead of quarter-wavelength. To tune the radials, I put a shorted stub of 450-ohm ladder line in series with the coax braid and the radials; it took about 5' of stub to bring the SWR down to about 1.2 to 1 in the 40-meter band. I also made a coil of about 5 turns of coax threaded through a couple of 2-1/2 diameter toroids of unknown origin about 3 feet below the feedpoint to reduce rf on the braid.

Results: A/B comparisons with the dipole at 50 feet show that out to about 1500 miles the dipole is usually a little better (2-3 db maybe), except directly off the end of the dipole where the vertical is a bit better. Farther than that, they are about the same, although I haven't yet tested it with real DX (long path, etc.). In my opinion, this is the first vertical that I've used that seems to perform as well as theory suggests that it should. Interestingly, all of my previous verticals have been very much noisier than horizontal antennas; this one shows about the same noise level as the dipole! Could it be that the problem with the previous antennas was that noise flowing on the outside of the coax braid was coupled into the antenna, and this system has less of that?

I'll post results of more testing as soon as I get them. Also, the results above are based on received signals only.

Vic K2VCO

Date: Tue, 19 Aug 1997 11:34:14 -0400
From: rerobins@unccvm.uncc.edu (Rick Robinson)
To: qrp-1@Lehigh.EDU
Subject: [25152] NC on 50/40/30 Thurs. 8/21
Message-ID: <v02130504b01f2da61858@[152.15.144.13]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello fellow QRPers,

Good Lord willin' and the storms don't come again, although we need the rain, I will be operating 50/40/30 on Thursday evening, August 21, from Charlotte, NC.

8 pm - 10pm Eastern Time (0000Z-0200Z UTC Fri, AUG 22) at 10.116 +/-

10 pm - 12am Eastern Time (0200Z-0400Z UTC Fri, AUG 22) at 7.040 +/-

At 0230 and 0330 I will move to 7.110 +/- to give the novices a chance.

I will call CQ WAS QRP de kf4ar

Exchange is CALLSIGN, RST, State/Prov./Country, NAME and POWER

I will be using a ca. 1920 brass straight key from a Southern Railway office that was presented to one of the last SRR telegraphers upon his retirement back in the mid '50s. I have owned it since 1972 so this is it's 25th anniversary with me. It was given a good USAF style Brasso-ing last weekend just for 50/40/30.

Rig is a Sierra and the antenna is a 200' long wire.

Hope to see you then.

72,

Rick kf4ar

Date: Tue, 19 Aug 1997 10:02:38 +0000
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Joe Gervais <vole@primenet.com>
Cc: qrp-l@Lehigh.EDU, cqca@aol.com, rschneid@ix.netcom.com, zeekzilch@juno.com, jmedley@ix.netcom.com, n1fn@mtechnologies.com
Subject: [25153] Re: CQC Summer QSO Party NEXT SUNDAY
Message-ID: <199708191603.KAA17945@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Joe--

>>And to think my younger brother's name is Zim. I coulda
<<

On behalf of CQC members everywhere, I implore you to elmer him into the hobby. Or bubba him, or whatever it takes!

Date: Tue, 19 Aug 1997 09:16:00 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <ccart@dns.vidtel.com>
Cc: "QRP-L list server" <qrp-l@Lehigh.EDU>
Subject: [25154] Re: Small inductor for a tuner?
Message-ID: <199708191615.LAA27538@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Chris --

This is exactly the way one of the TenTec tuners works. They have a very nicely built toroidal coil with a rotating tap arm. Works well, and they will sell the part separately (but very pricey). Unfortunately, it is intended for a QRO tuner, so it is several inches wide. However, the concept is a good one.

Mike K1MG

> From: Chris Cartwright <ccart@dns.vidtel.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Small inductor for a tuner?
> Date: Tuesday, August 19, 1997 8:19 AM

>
> I've been looking to build a small (read SST sized) tuner for a while.
> The inductor is usually the "big" part in the box. Looking at an old
QRP
> Quarterly article I was *hit* with an idea. Has anyone come up with a
> way to attach a shorting bar to a knob, and the outside of a wire
> wrapped toroid? I think it would look something like a rheostat
> without resistive wire. (ie. it would ride on the outside of the toroid
> somewhat like the MMA coil) Failing that maybe something like the speed
> controller for slot cars? A ferrite rod, wire wrapped, with some sort of
> slider arrangement? I'm just looking to be lazy, and benefit from
someone
> else having beat their head against the workbench :)
>
> -- Chris Cartwright, Technical Engineer | ccart@vidtel.com
--
> -- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com
--
> -- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart
--
> -- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00
--
>

Date: Tue, 19 Aug 1997 08:47:10 -0700
From: gsurrency@juno.com (Gary L L Surrency)
To: lewise@inetport.com
Cc: qrp-l@Lehigh.EDU
Subject: [25155] Re: R/S and more 38S stuff
Message-ID: <19970819.091817.10222.3.gsurrency@juno.com>

If Radio Shack keeps this up, well, we'll just have to quite referring
to them in such a contentious fashion! :-)

I must admit, I've been treated fairly well on most questions and/or
problems I've had with R/S. Besides, they *are* just about everywhere
(except maybe in Wyoming - right Chuck? :-)) , and they DO have a nice
return and service policy.

On another topic:

I noticed today while finishing up my second 38S, that before I performed
Mike Gipe's PIN diode mod, that the 1N4007's were getting warm to the
touch! Or was that just RF heating my fingertips? ;-) No, they really did
get slightly warm, as they were still warm after I stopped transmitting.

So do the mod, it does several things for the rig: cooler 1N4007s; less output power wasted in the receiver's input; and easier on the NE602.

Of course, it could be somewhat due to the fact that I'm getting nearly 10w out of the second rig now. Some experimenting with the output filter components resulted in the greater power output. I bought four each of the 1000pf and 560pf silver mica caps to select the "best" ones. I should have bought eight of the 560 pf's, but I forgot to allow for the rig using two of them in the filter, so I would have 4 each to select from for the input and output caps, or C501 / C505 and C29. There was one combination that seemed to produce the most output and least spurious output. It looks very clean on my monitor scope and the reflected power into the antenna is <5 mw. Still would like to put the rig on a spectrum analyzer to be sure, but I'm 95% certain the output is free from unwanted mixer products/

I found that 10 turns on L3 and 12 turns on L4 worked best, and I can still vary the turns spacing to obtain anywhere from 4-5 watts to 9-10 watts output with 13.6 volts DC input. Amazing. If anyone has the computer modeling software to check these filters values out, I would appreciate it.

Today the second rig got it's first QSO. PJ8 / DL5LCM in Sint Maarten. He was working a pileup at the low end of 30m, and I waited for the right moment and got a "599" from him after he called most of my call correct. I have been to St. Maarten / St. Marten (half Dutch, half French) twice, once on my honeymoon and again 5 years later. I probably even know where he was operating from, if he was on vacation there. Pretty little island. The Ford Estate is really beautiful, and the water is crystal clear. Lots of Europeans vacation there, and there is nice diving, but take beaucoup sunscreen. ;-)

Tonight W7BYG in Chelan Wa., and I had a nice long ragchew on the same 38S. He said my "fb sig is 579".

So, any further doubts as to the effectiveness of this little rig should be completely buried now. It just works really well. If your's isn't performing like the two I have, you need to look at it some more. :-)

Oh yes. I *did* turn the power back down to 5 watts after I finished "tweaking" the filter for best performance. The transmitted waveform stills looks and sounds very nice. I got a comment from Bruce, W7MYG about "how good all those Norcal kits sound." He had a brochure from Norcal, and he is 84 yrs old (young).

Best \$25 (times 2 for two rigs) I ever spent! :-)

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Tue, 19 Aug 1997 12:37:08 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [25156] Re: Small inductor for a tuner?
Message-ID: <Pine.LNX.3.93.970819123219.564I-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 19 Aug 1997, Michael A. Gipe wrote:

> This is exactly the way one of the TenTec tuners works. They have a very

I didn't think I was that smart:) Of course I'll have to get a look at one those. I'm already thinking of tearing apart a 1/4" pot, getting an 80-X toroid, some hot melt glue, the hubcap from a '67 Fairlane, a magic wand...

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --

Date: Tue, 19 Aug 1997 09:31:55 -0700
From: David Shalita <af389@lafn.org>
To: Ham-Homebrew@ucsd.edu
Cc: qrp-l@Lehigh.EDU
Subject: [25157] PNP equivalent to 2N2222A transistor needed
Message-ID: <33F9CA7B.5164@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

For my HomeBrew Spectrum Analyser,

I bought some 100 mhz TTL output oscillators in 14 pin DIP cans,
BUT they turned out to have TTL outputs.
I need to convert these ECL levels to TTL levels for
74F gates and flip flops. A single PNP transistor (MSP3639) with (MBD101
diode) seems
like the lowest part count convertor ckt.
Any suggestions are welcomed for such a convertor with NPN parts.

I am looking for a low cost PNP transistor equivalent to the MSP3639
and
low cost source for this diode MBD101,
maybe the PNP equiv to 2N2222A.
It must handle termination current and provide low vsat.

Thanks for any help and suggestions.

--

Dave Shalita,
af389@lafn.org
Van Nuys, CA

Date: Tue, 19 Aug 1997 12:52:26 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-1@Lehigh.EDU>
Subject: [25158] Re: Silver Plating (Free Catalog)
Message-ID: <Pine.LNX.3.93.970819124440.564J-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 18 Aug 1997, George Gingell wrote:

> 73 about Silver Plating also. Another possible source of information is
> from Lindsay Publications INC. P.O. Box 538, Bradley IL, 60915-0538
> (815)935-5353 If you haven't heard of them, send your name and address
> for a free catalog. It has a lot of Crazy , Weird stuff in it, but an

Or got to <http://www.keynet.net/~lindsay/index.html> You can request them
by e-mail via lindsay@keynet.net and ask for *EITHER* the "Metal Working"
catalog *OR* the "Secrets" catalog, they will send one, but not both. The
secrets one seems to be the winner here.

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --

Date: Tue, 19 Aug 1997 13:03:49 -0400 (EDT)
From: Bernie Doehner <bad@uhf.wireless.net>
To: David Shalita <af389@lafn.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25159] Re: PNP equivalent to 2N2222A transistor needed
Message-ID: <Pine.BSF.3.95.970819130314.5144A-100000@uhf.wdc.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> maybe the PNP equiv to 2N2222A.

2N3906?

Bernie

Date: Tue, 19 Aug 1997 11:14:49 -0600
From: lve1@inel.gov (Larry V East)
To: qrp-l@Lehigh.EDU
Message-ID: <3.0.32.19970819111107.005cabb8@eloi>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Just a few comments on silver plating:

>

>It is relatively expensive to get into silver plating. The chemicals to
>make up a batch plating solution are quite expensive. I cannot remember all
>of them without some research but do remember that silver cyanide is
>involved and of course the cyanide should be self-explanatory from a hazard
>standpoint. The chemicals are somewhat dangerous to mess with, but with
>proper precautions should not cause any problems. There was an article in
>an old issue of Ham Radio about getting started in your own silver plating.
>

Many, many, many years ago (when I was in college and sorta understood chemistry...) I silver plated some relay contacts. I seem to recall that I

used a silver nitrate solution and it worked just fine. Used a dime for one electrode and the relay contact to be plated as the other. (I'm too dense now to figure out which polarity goes where... :-)

72, L.

Date: Tue, 19 Aug 97 13:16:56 EDT
From: Bill Acito 19-Aug-1997 1316 <acito@asdg.ENERG.dec.com>
To: -qrp@us1RMC.bb.dec.com
Cc: acito@asdg.ENERG.dec.com
Subject: [25161] 38S PIN Diode mod pointer
Message-ID: <9708191716.AA20453@us1rmc.bb.dec.com>

Ok, I'll bite. What's the K1MG PIN diode mod for the 38s?
Pointer?

b

. - I own my own words -
Bill Acito acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

W1PA qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

Date: Tue, 19 Aug 1997 10:30:02 -0700
From: Ed Loranger <we6w@qsl.net>
To: weinfurtner@ouvaxa.cats.ohiou.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25162] Re: Silver Plating Using Fixer or "hypo"
Message-ID: <33F9D81A.55F9@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Take Notes everyone! This is the way to do it.

I was trying to remember exactly, but was afraid
to post without 'Fer Sure' facts.

In 1980/1981 era, I worked assembly here at the plant.
Was on my way to my tech degree and seemed to be the
right person for PC board repair.

Of course we plated gold.

Used the battery method and first plated nickel. Then
plated gold.

Works FB and is fine for ONE-OFFs. Obviously if you
got a big coil, some variation including a 'bath' would
probably.

Just wanted to thank Greg for his input.

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Tue, 19 Aug 1997 10:32:53 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [25163] Silicon Valley Surplus Electronics Sources
Message-ID: <33F9D8C5.42E6@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

I stumbled across a URL that has a good listing of surplus electronics
and computer parts stores California's famous Silicon Valley area. For
those planning a visit, you may want to check this website first. I
have visited many of the stores personally and they are wonderful. The
URL (courtesy of KC ENGINEERING) is <http://www.kce.com/junk.htm>

--

Bill Jones - KD7S <><
Sanger, California
kd7s@psnw.com

Date: Tue, 19 Aug 1997 11:42:51 -0600 (MDT)
From: "Thomas J. Whalen" <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25164] OHR Spirit I
Message-ID: <Pine.SUN.3.91.970819113616.22284A-1000000@kitsune.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just started to build this kit from OHR and am very impressed with the board quality. Last kit I built was a Heath Critter, and I thought those were good boards! These boards are beautiful, and solder up so nice! Parts all seem to be present and accounted for. It's going to be fun to get this up on the air. Building this kit seems to be putting a new "spark" back into my ham career. I plan on trying a kit from the other great qrp kit makers also. Still want one of each! Are you in a ham slump? Then go out and buy a qrp kit! 72, Tom WB5QYT

Date: Tue, 19 Aug 1997 10:49:53 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25165] Re: A BUBBA ID style
Message-ID: <33F9DCC1.6386@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK! With all this talk I've got to come clean with my weirdness.

I love the heat!

In fact I did something back in 1984 that makes the rounds at family gatherings now and then.

It was 104 degrees outside, 1984. Since it only gets hot 3 days in a row here, then back to the 60's I had to act fast.

Now I closed the garage and filled the clothes dryer with wet towels. I draped wool blankets from the ceiling to the floor in a 6x12 foot area around the dryer. Turned the

dryer on and relaxed in my skivvies!

A good hour went by and had to hold my reading material at arms distance lest the sweat spoil the pages.

"What the H... is going on here?!" asks my wife.

"Are you Crazy? It's 105 degrees outside! Turn that thing off! (As she backed away into the refreshing and colder kitchen.)

"I, I was just having a sauna.", I said.

"I could see this in winter, but only an idiot would wait for the hottest day of the year to do something like this." she bellowed.

(And with my now-famous logic): "Hey, I couldn't get it hot enough last Christmas. It takes a hot day to really make this work!", I reasoned. (Think about it.)

---- End Weirdness (I think :) -----

So if Randy's got a hot tent going, maybe I can homebrew a coupling unit from the Dryer vapor exhaust to mine?

Hmmmmmmmm.

Boy this is fun.

Let's see if I can outlast my OHR-100 in the humidity!

-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VF0.
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Tue, 19 Aug 1997 11:24:26 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: David Shalita <af389@lafn.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25166] Re: PNP equivalent to 2N2222A transistor needed

Message-ID: <Pine.BSI.3.96.970819112315.29784A-100000@usr03.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 19 Aug 1997, David Shalita wrote:

```
> Hi,  
>  
> For my HomeBrew Spectrum Analyser,  
>  
> I am looking for a low cost PNP transistor equivalent to the MSP3639  
> and low cost source for this diode MBD101, maybe the PNP equiv to 2N2222A.  
>
```

David,
The 2N2907A is a complement to the 2N2222A.

Regards,

Chris

```

      ,-----'.
    /   If you understand it, \
   /     then it's obsolete!   \
  \-----'
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```

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com

Graphics by Loek Frederiks

Date: Tue, 19 Aug 97 11:23:22 PDT
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-1@Lehigh.EDU (qrp)
Subject: [25167] Re: Free DDS circuit board. (fwd)

Message-ID: <9708191823.AA08084@wizard.ucs.sfu.ca>

Hi Everyone,

Can someone help me out with one of the following articles? I cannot find them locally.

cheers, Paul
VE7CQK
email: paul11@wizard.ucs.sfu.ca

Radio-Electronics, October 1991, page 43
or
Electronics Experimenters' Handbook, 1993, page 27.

Date: Tue, 19 Aug 1997 11:40:20 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25168] Mystery of the Blinking Light!
Message-ID: <33F9E894.544C@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I fixed the Touch Lamp Mom gave us for Christmas!

As usual it took 8 months and 10 minutes to fix.

Two parts: 1/4 watt, 1k Ohm resistor and 2.5 mH 1/2 watt size molded coil. Connected in-line with the touch wire.

Background: The touch lamp is a nice luxury. Just touch your hand, arm, etc to any of the exterior metal and it cycles through off-low-med-hi etc.

But: Also cycles when static is high walking across the carpet.

Turning off a light switch.

I send 2 or more watts from the rig.

My son works the CB.

You'll find it on when you get home.

So the darn thing is an oscillator which changes frequency when you touch it. The circuit does the rest. By adding the resistor/inductor pair, its sensitivity is reduced and the problem disappears.

Works FB. And the xyl can read while I slink out to the garage for an 'anonymous' QSO.

FYI/Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Wed, 13 Aug 1997 14:01:08 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: dhlauten@juno.com, psykey@okcforum.org
Cc: qrp-l@Lehigh.EDU
Subject: [25169] RE: Homebrew mailing list
Message-ID: <33F20474.42F7@uiowa.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

hi,
I had mentioned the Homebrew mailing list in a post yesterday (run by Brian, K7ON a member of qrp-l). Got some inquiries of folks who weren't aware of it, so here is the info. I know that several regulars on qrp-l also are active on that list (hi ed!). Here is the blurb from the FAQ page at <http://www.qsl.net>

HomeBrew is a mailing list (reflector) devoted to amateur radio and electronics experimentation and construction:

- building kits
- scratch construction
- radios, antennas, widgets
- design
- accessories
- station construction

digital, analog, uP
repair, modification, surplus

To be added to the mailing list, send email as follows:

TO: majordomo@qsl.net

SUBJECT:

BODY: subscribe homebrew

btw - i checked, and we use 1g / liter silver nitrate in our silver stain.

73,
--adam, n2brt
adam-kanis@uiowa.edu

Date: Tue, 19 Aug 1997 14:12:37
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [25170] Re: Study Guides for Younger Hams??
Message-ID: <3.0.1.16.19970819141237.279f23e4@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Pierre and gang,

>1750m would be fine, but it tends to be a very challenging band to
>operate on. Indoor noise levels are incredibly high, and you need a
>monster antenna for anything but "in-house" communications. Still, for
>beginners it might be just the thing. An inefficient antenna and a nearly
>deaf receiver might take care of the noise problem.

>

>I'm starting to get inspired... A ceramic resonator, a 4049 IC and one
>transistor for an amp/mixer ala Pixie... could be fun!

I'm also kinda intregged with the possibilities.

Nice thing is that construction would not be very critical at those low frequencies. Could almost just twist the wires toghier and tape it to some cardboard. If it were to be done up right, a plasitic peg board and brass eyelets would work FB.

For a circuit, I think I'd use a LC oscillator so the frequency could be changed. For a two way Pixie, they need to be offset by the sidetone anyway. Little hard to do with an xtal. The official Pixie uses a LM386 audio amp. I think this could be just a two transistor amp driving some headphones. Over all parts count would be small and no IC's would be a plus. Powered by a 9 volt battery.

These don't have to have much range. DX would be a few class rooms away! Nice thing about LF, it works well in steel and concrete buildings. In fact, Lowfer rigs are used in search and rescue work and in caving, cuz VHF doesn't penetrate well in collapsed buildings or in caves.

Another thing, once they get the basic radio going, then the antenna experiments start. Loading coils, loop antennas, etc. Dxpadditions to the playground, etc.

So, there you have it folks. A simple Pixie built on a plastic peg board, bundled with a study guide. In quantity, could be sold cheap. Once we get the kids hooked on radio, we can go for the more advanced and complicated kits. (radio, its a addiction)

The kids today who would have become Hams in years past are all going to computers and the internet. Time to do something about that.

With a radio kit, study guides and a teachers manual, these things could be bundled for a class of 30 fairly inexpensively. A club could buy a set, and offer some help (trouble shotting the Pixe built by the little Pixies) and VE testing at the end of the course. Great community service.

Now all we need is someone with the time and energy to run with this idea

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 19 Aug 1997 12:25:54 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: qrp-1@Lehigh.EDU
Subject: [25171] Kids and ham radio
Message-ID: <33F9F342.6DE8@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not really qrp but I guess kids are kind of QRP people.

Along the lines of this thread, I was wondering if anyone knows of ham related activities for young hams. My 9 year old daughter got her license and hasn't found very much to do on the air. She is not interested in Dx or talking about electronics. She would like to talk to other kids. Are there on the air nets for kids, etc.

Thanks.

--

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16	Private Practice : Companion Animals and
Exotics	
Norcal QRP #1292	Ocean Animal Clinic / Cat Clinic of Santa
Cruz	
	Santa Cruz,
California	

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Tue, 19 Aug 1997 15:46:20 -0400 (EDT)
From: Bernie Doehner <bad@uhf.wireless.net>
To: Jeff Grudin <grudin@pacific.vdbbs.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25172] Re: Kids and ham radio
Message-ID: <Pine.BSF.3.95.970819154244.5925C-100000@uhf.wdc.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

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>

> Along the lines of this thread, I was wondering if anyone knows of ham
> related activities for young hams. My 9 year old daughter got her
> license and hasn't found very much to do on the air. She is not
> interested in Dx or talking about electronics. She would like to talk
> to other kids. Are there on the air nets for kids, etc.

>

Hi:

Yes, we had one on 146.70 in Cranston, RI.. The Ocean State Young

Amateurs' Net.. Was a blast..

I got licensed around age 14, and yes I too suffered from the "not any kids on the radio" problem. But when we moved to Massachusetts, we found a local Explorer Post that specializes in Ham Radio.. Had about 10-15 members at its peak..

Has she gotten any of her friends interested? If there are a few kids around, it might not hurt to have you help her to organize a young amateur's net of your own.. The one in RI ended up being quite the magnet to other kids (even from 100 miles away).

73

Bernie nu1s

Date: Tue, 19 Aug 1997 15:55:08 EDT
From: n4so@juno.com (charles k brown)
To: qrp-1@Lehigh.EDU
Subject: [25173] Smart Chargers
Message-ID: <19970819.025308.4391.1.n4so@juno.com>

Rechargeable batteries must be correctly charged or damage or shortened battery life will result.

Smart Chargers monitors the battery during fast charge and automatically switches to a trickle charge when the battery is full-- eliminating the possibility of overcharge.

Smart Chargers use techniques such as:

- * Voltage Peak detection
- * Battery Temperature
- * Maximum time

When a cell is fully charged the terminal voltage drops slightly. The charger detects this drop and switches to trickle charging.

Battery temperature is monitored and charging is shut down if the temperature reaches a set point.

Maximum time of charging can be programmed in the design.

An example for a Smart Charger is the Maxim MAX713 single chip charger in QST Sept. 1994 on page 40.

By Steve Avritch.

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk

qrp-1 #622
n4so@juno.com

Date: Tue, 19 Aug 97 16:17:19 -0400
From: cjl@mail09.mitre.org (Charles J. Ludinsky)
To: qrp-1@Lehigh.EDU (qrp-1@Lehigh.EDU)
Cc: cjl@mail09.mitre.org (Charles J. Ludinsky)
Subject: [25174] /QRP/P in Alaska
Message-ID: <970819161718.638@mail09.mitre.org.0>

In two earlier messages, Jim Larsen (AL7FS) recounted his experiences trying to work QRP out of Skagway, Alaska:

> I was suffering too much at QRP levels. Take a look at the topo maps of
> Skagway and all will be clear.

During the last two weeks, I had the great pleasure to travel over parts of Alaska including Anchorage, Seward, Denali National Park, the edge of Wrangell-St. Elias National Park, and many areas in between. Since this was a vacation, and the objective was to see as much as possible and to do a bit of hiking, serious QRP operation was not really possible. However, I did take along an SST-20 and a Small Wonder Labs SW-40. Antennas consisted of end-fed, half-wave wires (intended to be set up vertically in trees) with counterpoises.

My first concern was getting this stuff (with multiple coils of wire, lead-acid batteries, keys, connectors, etc.) through airport security (carry-on baggage). Well, the security people at Boston, Salt Lake City, and Seattle didn't even blink. Except to question the collapsible umbrella that I had in another carry-on bag. However, on the way back, security at Anchorage had me take out two coils of wire and an eight cell AA battery pack and send them via check-on luggage. Seemed to have no problem with the lead-acid battery and other wires, however not to mention the other gear. Perhaps the fellow from Continental Air who was sitting behind the security check point and monitoring their activities with a notepad in hand helped stimulate their attentiveness.

Now, the problems/experiences with QRP portable operation.

I was planning to raise a 40 meter half wave dipole in the trees in Denali Park. Well, it became clear almost immediately that there were few, if any, trees taller than about 15-20 feet high anywhere in the part of the park that I was staying in (with the exception of a few 20+ foot trees down in stream beds). So the best that I could do was put up a sloping dipole from the peak of the lodge that I was staying in (at best, about 20 feet).

This made a great cloud warmer (not that two watts will warm much of anything).

Near Seward, I found several trees that were over 70 feet high behind the B&B that we were staying at, and managed to get a 40 meter half wave wire up vertically. Unfortunately, as Jim mentioned relative to Skagway, the B&B was between/among many high mountains in a narrow valley. Another cloud warmer.

> During the days here there is zero and I mean zero signals on any band.

The sun set about 10:30 PM, with long periods of twilight afterward. The long daylight period (or something else) seemed to discourage 40 meters from ever really opening up. Heard a few Oregon, Washington, and California stations (poorly), but only a few could hear me (sort of). Didn't manage to get much more than my call across.

Twenty meters was not much better.

So, for three or four evenings of operation QRP, the best I could manage was three or four short contacts. Greatly increases my respect for those who regularly run QRP up there.

> Am I still having fun....You bet! Took a fun hike out to a rocky point
> (Yakutania Point) today. Absolutely great!.

Amen! A wonderful vacation. Something everyone should experience. Next time, however, I'll have to plan more carefully around QRP'ing.

73 DE K1CL
Chuck.

Date: Tue, 19 Aug 1997 13:44:00 -0500
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: qrp-1@Lehigh.EDU
Subject: [25175] Q-Mult for the 38 Special?
Message-ID: <M1699372.002.6hp81.1.970819204621Z.CC-MAIL*/OU=SATCG/OU=AZBH/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

I was looking over the schematic for the W1AW receiver, in particular the IF AMP/Detector/QMultiplier section of the little thing and I wondered if this simple circuit could be used on the crystal filter section of the 38 special.

The input for the Q-mult transistor could be ac coupled to the output of the filter, likewise the output of the transistor could be an untuned choke which is then ac coupled to the input of the filter.

It seems to me that it might be possible to sharpen up the selectivity to perhaps good narrow single sided cw reception without additional filters.

If I ever get any free time, I will have to give it a try....

- Dan Tayloe, N7VE, Phoenix, Az QRPL # 696, AZ ScQRPions

Date: Tue, 19 Aug 1997 16:44:45 -0400 (EDT)
From: Stephan Greene <sgreene@washesq.com>
To: Bernie Doehner <bad@uhf.wireless.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25176] Re: Kids and ham radio
Message-ID: <Pine.LNX.3.95.970819163534.19764H-1000000@europa.washesq.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 19 Aug 1997, Bernie Doehner wrote:

> > Not really qrp but I guess kids are kind of QRP people.
> >
> > Along the lines of this thread, I was wondering if anyone knows of ham
> > related activities for young hams. My 9 year old daughter got her
> > license and hasn't found very much to do on the air. She is not
> > interested in Dx or talking about electronics. She would like to talk
> > to other kids. Are there on the air nets for kids, etc.
>
> Yes, we had one on 146.70 in Cranston, RI.. The Ocean State Young
> Amateurs' Net.. Was a blast..
>
> Has she gotten any of her friends interested? If there are a few kids
> around, it might not hurt to have you help her to organize a young
> amateur's net of your own.. The one in RI ended up being quite the magnet

Reminds me of what a group of us did when I was a 'teen. Several of us, mostly members of the same club as it turned out, started meeting on 15 meters in the evening (groundwave only, could do the same on 10M...). We played chess, risk (usually had a 3rd station roll the dice), etc... (diplomacy got a bit interesting, as you never knew if the other station was eavesdropping...). Our parents didn't mind, as we weren't tieing up a phone line (as long as our homework was finished...).

She could also use ham radio as an adjunct to school. Science (how radio works), geography/social studies (interview an overseas station about their country, many of them WILL do more than "599 QSL via bureau 73 QRZ..." My mother (a retired jr high english/soc studies teacher) would bring in my more interesting QSL cards to spark discussions related to the current lesson plan. So my 1st KL7 card turned into a lesson on geography and maps (mercator vs polar vs globes...). And my VR6TC QSL turned into a discussion on the European exploration of the Pacific, as well as some current events social studies on "yes, there really was a Mutiny on the Bounty before Hollywood..."

In a sort of retro high-tech sense, she now has a "magic box" that lets her talk to people all over the world WITHOUT WIRES ("you mean you don't need a computer and you don't have to dial into the internet and type <http://www.somebody.somewhere...?>")

Enjoy!

72/73 Steve KA1LM

Stephan A. Greene sgreene@washesq.com
PGP Public Key 0xB96717F5 1996/10/01 at <http://ww2.washesq.com/~sgreene/>

Date: Tue, 19 Aug 1997 16:25:24 -0400
From: pthomson@bruderhof.com
To: qrp-l@Lehigh.EDU ("Low Power Amateur Radio Discussion")
Subject: [25177] RE: Mystery of the Blinking Light!
Message-ID: <C5FAF9338100001F5CAB@mail.bruderhof.com>
MIME-Version: 1.0
Content-type: text/plain; charset="ISO-8859"
Content-disposition: inline
Content-transfer-encoding: 7bit

Ed Loranger wrote:

>I fixed the Touch Lamp Mom gave us for Christmas!
>...
>Background: The touch lamp is a nice luxury. Just touch
>your hand, arm, etc to any of the exterior metal and it
>cycles through off-low-med-hi etc.

If you are into 1750m or other weak-signal LF/MF work,
you will not want a touch lamp anywhere within a mile!
They put out a strong square-wave carrier onto the power
line at about 240 KHz, AM modulated with 60 Hz at about
200% modulation.

The last one I located was in an apartment about 300 feet
away. The owner kindly allowed me to "fix" it with a few
coils and capacitors in the AC line.

So be warned. Touch lamps are a nice luxury, but the QRM
cuts both ways! I wouldn't recommend them for hams.

73 de KA2QPG,
Pierre Thomson

Date: Tue, 19 Aug 1997 14:08:30 -0700 (MST)
From: Jack Meadows <jackmead@getnet.com>
To: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25178] Re: TUNED GROUND WIRE?
Message-ID: <Pine.BSI.3.93.970819140714.29392A-1000000@gn2.getnet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Tom,

What do you mean, "Been successful so far" ?
Just curious.

Best regards,
Jack W7QQQ

On Mon, 18 Aug 1997, Thomas
Isgro wrote:

> I tuned my radials (cut them to 1/4 wave) and have at least two for each
> band the Butternut is tuned to. Been successful fo far. I read in the
> ARRL Antenna book that it is useless to have them more than 1/4
> wavelength.
> --
> *****
> *****
> 73 de

> KI8CZ
 > Tom Isgro
 > OHIO
 >
 >
 > 10-X #68364 SCI #1479 QRP-L #945 ARS #203
 > C.A.T.T #2115 FIST 2360 NORCAL ARRL
 >
 > *****
 > *****
 >
 >
 >
 >

 Date: Tue, 19 Aug 1997 17:02:08 EDT
 From: w4bws@juno.com (Donald E Sanders)
 To: ccart@dns.vidtel.com
 Cc: qrp-l@Lehigh.EDU
 Subject: [25179] Re: Small inductor for a tuner?
 Message-ID: <19970819.171255.11335.0.W4BWS@juno.com>

Chris, I seem to remember from my reading that if you short turnsof a toroid you increase the losses exponentially. But I have seen tapped toroids used as tank circuits and other uses. Maybe the secret is not to short the turns you dont want but to leave one end openended and slide down the toroid. Why dont you give it try and let us know?

I have used a sliding contact on a rod parallel to a coil wrapped on plastic pipe to select the proper"tap" and that worked well -change freq by pulling the rod out of or pushing it into the panel with notches on the rod to align with the panel to mark the band-crude but it works in place of a switch.

DON W4BWS

On Tue, 19 Aug 1997 11:19:28 -0400 (EDT) Chris Cartwright

<ccart@dns.vidtel.com> writes:

>I've been looking to build a small (read SST sized) tuner for a while.
 >The inductor is usually the "big" part in the box. Looking at and old
 >QRP
 >Quarterly article I was *hit* with and idea. Has anyone come up with
 >a
 >way to attach a shorting bar to a knob, and the outside of a wire
 >wrapped toroid? I think it would look something like a rheostat
 >without resistive wire. (ie. it would ride on the outside of the
 >toroid

>somewhat like the MMA coil) Failing that maybe something like the
>speed
>controller for slot cars? A ferrite rod, wire wrapped, with some sort
>of
>slider arrangement? I'm just looking to be lazy, and benefit from
>someone
>else having beat their head against the workbench :)
>
>-- Chris Cartwright, Technical Engineer | ccart@vidtel.com
> --
>-- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com
> --
>-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? |
>http://dns.vidtel.com/~ccart --
>-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00
>QSL's=00 --
>
>
>

Date: Tue, 19 Aug 1997 13:08:53 -0800
From: JLarsen@alascom.att.com
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [25180] SST Information - AL7FS via G3YCC
Message-ID: <3FFF2C3C44B1D011899600A02458217023D1C7@alascomexca.alascom.att.com>
MIME-Version: 1.0
Content-Type: text/plain

[Larsen, Jim] Thanks to Frank for putting this up on his Web Page. The
41 messages I have been sending to individuals concerning the SST are
now on the G3YCC Home Page.

<http://www.gqrpclub.demon.co.uk/sst1.htm>

Date: Tue, 19 Aug 1997 17:13:00 -0500
From: "Peloquin, William" <williep@PIERCEMFG.COM>
To: "'n4so@juno.com'" <n4so@juno.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25181] RE: Smart Chargers
Message-ID: <199708192113.QAA18235@peter.atw.earthreach.com>

Are there any online resources which would show a smart charger schematic, or the specs on any particular IC's?

Willie N8MDY

On Tuesday, August 19, 1997 2:55 PM, charles k brown

[SMTP:n4so@juno.com] wrote:

- > Rechargeable batteries must be correctly charged or damage or shortened
- > battery life will result.
- > Smart Chargers monitors the battery during fast charge and automatically
- > switches to a trickle charge when the battery is full-- eliminating the
- > possibility of overcharge.
- > Smart Chargers use techniques such as:
- > * Voltage Peak detection
- > * Battery Temperature
- > * Maximum time
- >
- > When a cell is fully charged the terminal voltage drops slightly. The
- > charger detects this drop and switches to
- > trickle charging.
- > Battery temperature is monitored and charging is shut down if the
- > temperature reaches a set point.
- > Maximum time of charging can be programmed in the design.
- > An example for a Smart Charger is the Maxim MAX713
- > single chip charger in QST Sept. 1994 on page 40.
- > By Steve Avritch.
- >
- > Ken Brown, N4SO
- > QTH nr Mobile, AL/ EM50tk
- > qrp-l #622
- > n4so@juno.com
- >
- >

Date: Tue, 19 Aug 1997 19:53:26 +0100
From: "Frank, G3YCC." <g3ycc@gqrpclub.demon.co.uk>
To: qrp-l@Lehigh.EDU, gqrp-l@blacksheep.org
Subject: [25182] Web site additions
Message-ID: <sl82aDAmue+zEwi0@gqrpclub.demon.co.uk>
MIME-Version: 1.0

Latest addition:

Notes, mods etc on the Wilderness SST kits:

<http://www.gqrpclub.demon.co.uk/sst1.htm>

Also I have added a line on my index page telling you what the latest addition/s I have uploaded.

Anyone got a picture of their SST rig I can use on the site? My kit hasn't arrived yet...

Enjoy!

Frank, G3YCC QGRP Club 042

Packet: G3YCC@GB7HUL

QRP Web Page: <http://www.gqrpclub.demon.co.uk>

Date: Tue, 19 Aug 97 21:30:14 UT
From: "DANIEL DOBSON" <DAN DOBSON@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25183] RE: Smart Chargers
Message-ID: <UPMAIL11.199708192228230748@msn.com>

Willie,

Take a look at the "Smart Charger" from A & A Engineering. It is advertised in QST, CQ, etc. Great little charger. I built mine from the kit, added a switch and additional resistor to change the charge rate from .5 amp to 1 amp. Works great, you can leave it plugged in, etc.. Check it out! I think they are still \$ 59.00 or so plus shipping.

No ties to A & A....just like good products!

Dan KG9KF

From: owner-qrp-1@Lehigh.EDU on behalf of Peloquin, William
Sent: Tuesday, August 19, 1997 6:13 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Smart Chargers

Are there any online resources which would show a smart charger schematic, or the specs on any particular IC's?

Willie N8MDY

On Tuesday, August 19, 1997 2:55 PM, charles k brown

[SMTP:n4so@juno.com] wrote:

- > Rechargeable batteries must be correctly charged or damage or shortened
- > battery life will result.
- > Smart Chargers monitors the battery during fast charge and
- automatically
- > switches to a trickle charge when the battery is full-- eliminating the
- > possibility of overcharge.
- > Smart Chargers use techniques such as:
- > * Voltage Peak detection
- > * Battery Temperature
- > * Maximum time
- >
- > When a cell is fully charged the terminal voltage drops slightly. The
- > charger detects this drop and switches to
- > trickle charging.
- > Battery temperature is monitored and charging is shut down if the
- > temperature reaches a set point.
- > Maximum time of charging can be programmed in the design.
- > An example for a Smart Charger is the Maxim MAX713
- > single chip charger in QST Sept. 1994 on page 40.
- > By Steve Avritch.
- >
- > Ken Brown, N4SO
- > QTH nr Mobile, AL/ EM50tk
- > qrp-l #622
- > n4so@juno.com
- >
- >

Date: Mon, 18 Aug 1997 18:17:24 -0600

From: "Bob Follett" <bfollett@ditell.com>

To: "QRP-L Group" <qrp-l@Lehigh.EDU>

Subject: [25184] RE: Paddlette

Message-ID: <199708192238.QAA11906@mars.ditell.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Gang:

Jim wrote in response:

<<Looks cute. Light.

Won't survive a fall off of your knee on the trail, though. Had a good feel to it. Too much bucks for it, in my estimation. I think they wanted \$35 for it. It's really simple to construct, if you have any tools.

73 de Jim, W7LS>>

I disagree.

I have owned one about two months now, and have taken it backpacking a few times. It seems more sturdy then a Whiterook, and definitely more than a G4ZPY 3-in-1. It is machined from a single piece of PCV material, including the upright contact supports, and the brass arms are held in place with three screws each.

It does have a good feel, all considering, but I would like to sliverplate the brass contact points (Where is that answer to using photo developer to do plating?).

As to the cost? Three times the price of a Whiterook, but one forth the cost of a G4ZPY -- make your own judgements on this.

For those who haven't seen one, they about the same size of a whiterook, heavier, and comes with a magnetic base and two pieces of magnetic stick on tape to apply to your portable rigs, car, or whatever. I believe I received mine about 2 weeks after mailing an order.

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

Date: Tue, 19 Aug 1997 17:53:09 -0700
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [25185] 6 meter FM rigs
Message-ID: <199708192252.RAA32090@shell.dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi,

I still have these 6 meter rock bound Regency FM rigs. One is 10 watts, the other is 50. Both are single channel. If someone is interested in these, I would trade for QRP related toys, QRP Quarterlys. Books, or a Rolex Watch (just kidding). Seriously, if someone would like to get on 6 meters, send me a note and we can work something out. Also, I still have my Argosy 525 Digital to trade for other QRP stuff.

Thanks for the BW.

Kelly Ellison
WB0WQS
QRP-L #702

End of QRP-L Digest 823

